



# BOROUGH OF KETTERING



## ANNUAL REPORT of the Medical Officer of Health For the Year 1970

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J. V. L. FARQUHAR, M.A. M.R.C.S., L.R.C.P., D.P.H.

Together with the Report of

G. WALSHAW, A.M.I.P.H.E., M.A.P.H.I.,

Chief Public Health Inspector



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**G. WALSHAW, A.M.I.P.H.E., M.A.P.H.I.,**

Chief Public Health Inspector

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Public Health Department,  
Municipal Offices,  
Bowling Green Road,  
KETTERING.  
May, 1971.

Telephone: Kettering 5211.

To HIS WORSHIP THE MAYOR,  
ALDERMEN AND COUNCILLORS OF THE  
BOROUGH OF KETTERING.

MR. MAYOR, LADIES AND GENTLEMEN,

In accordance with my statutory duty as your Medical Officer of Health, I have the honour to present my Annual Report for the year 1970.

The contents of this report have been compiled in accordance with the Department of Health and Social Security Circular No. 1/71 received on 6th January 1971.

The vital statistics in the report are satisfactory. There has been a slight decrease in the birth rate and an increase in the death rate, which was to some extent due to the 14 deaths from influenza (4 in 1969) and 28 deaths from pneumonia (18 in 1969). There were 14 deaths of infants under one year of age as compared with 10 in 1969. The number of illegitimate births was 35 and this represents 5.4% of all Kettering births (7.7% in 1969).

The natural increase in population, that is the difference between the number of live births and the number of deaths, amounted to 75 (147 in 1969). During the years 1961–1970 the natural increase in population has amounted to 1,637 and the number of occupied houses has increased by 2,316, of which 279 were privately built in 1970. The addition of the figure 1,637 to the 1961 census population of 38,659 amounts to 40,296 and this calculation does not take into account persons moving into the town during this period. It would therefore appear that the present population is in excess of 40,296 although all calculations in this report are based on the estimated population given by the Registrar-General, i.e. 40,260.

There has been no maternal death since 1958. There were 28 deaths from cancer of the lung and bronchus, of which 22 were males. During the years 1961 – 1970 inclusive, the total number of deaths, both sexes, from cancer of these sites was 208. The total number of deaths from cancer in other sites during this period was as follows:—

Stomach	...	126
Breast..	...	98
Uterus	...	38

A brother and sister who were aged and living in very insanitary conditions were admitted to Part III Accommodation for a period of nine weeks on Magistrates' Orders under the provisions of the National Assistance Act, 1948, Section 47. In another case where a Magistrate's Order was obtained, it was not executed as other arrangements were made for the satisfactory care of the person concerned.

Clearance Areas Nos. 76, 77 and 78 comprising 22 houses were represented during 1970. On 28th July, a Public Inquiry was held regarding the Compulsory Purchase Order for the houses comprising Clearance Areas Nos. 73, 74 and 75. The Order was confirmed by the Minister.

The Council's waiting list for houses was approximately 800. In connection with the allocation of Council houses as far as the Public Health Department is concerned, recommendations are from time to time made by me after personal visits have been made to investigate the circumstances of each case. Medical and social assessments are forwarded to the Housing Manager.

There were no cases of poliomyelitis, smallpox or diphtheria during the year, thus demonstrating the efficacy of the immunisation measures undertaken, but it is essential that all children be immunised in order to maintain this standard. Only 2 cases of sonne dysentery and 16 cases of infective jaundice were notified, compared with 153 and 117 respectively during 1969. Of the 419 cases of measles which were notified, 394 occurred in the last quarter of the year.

There were 2 deaths from tuberculosis and ten new cases of pulmonary tuberculosis were notified, reminding us that we cannot afford to relax vigilance to keep this disease under control. Six special surveys were carried out by the Mass Radiography Service as follows:—

a factory where a case of tuberculosis had occurred,  
a store where food is handled,  
an Old People's Home,  
two surveys of hospital staff,  
Scholars and staff of a school where a case of pulmonary tuberculosis had occurred.

Seven hundred and seventy-six persons were examined in these surveys and only one case of tuberculosis was found.

One thousand eight hundred and twenty-six cremations were carried out at the Kettering Crematorium (1,715 in 1969). The number of cremations of Kettering residents (442) amounted to 80% of the deaths (77% in 1969).

Details of cremations of residents from other areas in 1970 were as follows:—

Bedford R.D.C.	...	...	...	...	...	...	...	6
Brixworth R.D.C.	...	...	...	...	...	...	...	23
Burton Latimer U.D.C.	...	...	...	...	...	...	...	38
Corby U.D.C.	...	...	...	...	...	...	...	170
Desborough U.D.C.	...	...	...	...	...	...	...	52
Higham Ferrers Borough	...	...	...	...	...	...	...	27
Irthlingborough U.D.C.	...	...	...	...	...	...	...	40
Kettering R.D.C.	...	...	...	...	...	...	...	70
Market Harborough U.D.C.	...	...	...	...	...	...	...	89
Market Harborough R.D.C.	...	...	...	...	...	...	...	14
Northampton County Borough	...	...	...	...	...	...	...	14
Oakham R.D.C.	...	...	...	...	...	...	...	8
Oundle U.D.C.	...	...	...	...	...	...	...	18
Oundle and Thrapston R.D.C.	...	...	...	...	...	...	...	85



Raunds U.D.C. ... ..	52
Rothwell U.D.C. ... ..	60
Rushden U.D.C. ... ..	162
Uppingham R.D.C. ... ..	10
Wellingborough R.D.C. ... ..	139
Wellingborough U.D.C. ... ..	267
Other Authorities... ..	40

On two occasions it was necessary for the Medical Referee to enlist the services of the Pathologist appointed by the Council in pursuance of the Cremation Regulations, 1930.

One thousand three hundred and forty-two requisitions for a search under the Land Charges Act, 1925, were returned during the year.

A very large number of international vaccination certificates was brought to the Department to be stamped and countersigned.

Copies of my Annual Report were again made available in the Public Library, and extracts from it were exhibited on a display board. Interest was shown by members of the public and it is intended to make this report similarly available.

Numerous posters issued by the Health Education Council Ltd., intended to draw the public's attention to the grave dangers of cigarette smoking were exhibited in prominent places and were sent to secondary schools.

Nine male and twelve female prospective employees were medically examined and were considered fit for employment in the Council's service.

Dr. W. Drake Lee, who was the Council's part time Deputy Medical Officer of Health from 17th November, 1930 to 26th October, 1936, has now retired from general practice in the town and I am sure that members of the Council will join with me in wishing him a long and happy retirement.

Alderman E.H. Newman, who was Chairman of the Health Committee, showed great interest in the work of the Department and I wish to express my thanks to him and to members of the Committee, to the Chief Officers and other members of the staff of the Department who have always afforded co-operation.

I have the honour to be,

Mr. Mayor, Ladies and Gentlemen,

Your Obedient Servant,

J.V.L. FARQUHAR,

*Medical Officer of Health.*

## ACKNOWLEDGEMENTS

Certain information contained in this Annual Report has been supplied by the following, to whom acknowledgement is made, and the Medical Officer of Health wishes personally to thank them for their co-operation during the year:

Town Clerk

Borough Engineer and Surveyor

Borough Treasurer

County Medical Officer of Health

Housing Manager

Manager, Mid-Northamptonshire Water Board

Manager, Kettering Employment Exchange

Women's Royal Voluntary Services

The British Red Cross Society

Kettering Mothers' Club

## BOROUGH OF KETTERING

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### HEALTH COMMITTEE

December, 1970

#### Members:

ALDERMAN E.H. NEWMAN (*Chairman*)  
COUNCILLOR M.M. THOMSON (*Deputy Chairman*)  
ALDERMAN J.E. ANDREW  
ALDERMAN W.F. BENNION  
COUNCILLOR R. CROSS  
COUNCILLOR A. GORDON  
COUNCILLOR MRS. E.M. KING  
COUNCILLOR P.J. LEONARD  
COUNCILLOR J.T. LIVINGSTON  
COUNCILLOR C. SMITH  
COUNCILLOR C.A. UNDERWOOD  
COUNCILLOR P. WARD

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### STAFF OF THE HEALTH DEPARTMENT

#### Medical Officer of Health:

JOHN VAUX LILLIE FARQUHAR, M.A. (Cantab.), M.R.C.S., L.R.C.P. (Lond.), D.P.H. (Leeds), also Medical Referee to the Kettering Crematorium, and also holds the appointment of Medical Officer in Department, Northamptonshire County Council.

#### Chief Public Health Inspector:

G. WALSHAW, A.M.I.P.H.E., M.A.P.H.I., (1) (2) (3) (5)

#### Deputy Chief Public Health Inspector:

B.R. HODGINS, M.A.P.H.I., (1) (3) (5)

#### Additional Public Health Inspectors:

C.R. WILSON, M.A.P.H.I., (3) (4) (5) (to 10th February)  
C.L. RILEY, M.A.P.H.I., (3) (4) (5) (from 2nd February)

Pupil Public Health Inspector:

N.P. BASFORD

Chief Clerk:

J.F. BURRIDGE

Deputy Chief Clerk:

K.G. DIX

Clerks:

MISS K. NORMAN (to 31st December 1970)

N.J. ALDWINCKLE

Rodent Operator and General Assistant:

R.J. GOATE

- 
- (1) Certificate of the Royal Sanitary Institute and Sanitary Inspectors Examining Board as Sanitary Inspector.
  - (2) Certificate of the Royal Sanitary Institute for Sanitary Science.
  - (3) Certificate of the Royal Sanitary Institute as Smoke Inspector.
  - (4) Certificate of the Public Health Inspectors Education Board as Public Health Inspector.
  - (5) Royal Society of Health Diploma for Inspectors of Meat and Other Foods.

## SUMMARY OF STATISTICS

Area (acres) ... ..	4,539
Population—	
Census, 1961 ... ..	38,659
Registrar—General's estimate of resident population as at 30th June, 1970 ...	40,260
Number of inhabited houses—	
According to Rate Books ... ..	15,432
Rateable Value ... ..	£1,782,780
Estimated Yield of One Penny Rate ... ..	£7,040

### Extracts from Vital Statistics for the Year

#### LIVE BIRTHS

	<i>Males</i>	<i>Females</i>	<i>Totals</i>	
Legitimate ... ..	298	298	596	
Illegitimate ... ..	<u>16</u>	<u>17</u>	<u>33</u>	
	<u>314</u>	<u>315</u>	<u>629</u>	Birth—rate 15.6 (Crude)

Adjusted Birth—rate (Area Comparability Factor 1.10) 17.2

#### STILL BIRTHS

	<i>Males</i>	<i>Females</i>	<i>Totals</i>	
Legitimate ... ..	5	7	12	
Illegitimate ... ..	<u>—</u>	<u>2</u>	<u>2</u>	
	<u>5</u>	<u>9</u>	<u>14</u>	Rate 22*

#### DEATHS

	<i>Males</i>	<i>Females</i>	<i>Totals</i>	
	283	271	554	Death—rate 13.8 (Crude)

Adjusted Death—rate (Area Comparability Factor 0.88) 12.1

Number of Women dying in, or in consequence of, Childbirth ... .. Nil

Death—rate of infants under one year of age:

All infants per 1,000 live births.. ... ..	22
Legitimate infants per 1,000 legitimate live births ... ..	22
Illegitimate infants per 1,000 illegitimate live births ... ..	30

	<i>Number</i>	<i>Rate per 1,000 population</i>
Deaths from Measles ... ..	Nil	—
Deaths from Whooping Cough ... ..	Nil	—
Deaths from Diphtheria ... ..	Nil	—
Deaths from Respiratory Tuberculosis ... ..	1	0.02
Deaths from Other Tuberculous Diseases ... ..	1	0.02
Total Tuberculosis Deaths ... ..	2	0.05
Deaths from Cancer ... ..	126	3.13
Deaths from Influenza ... ..	14	0.34

\*Per 1,000 Total (Live and Still) Births Registered

## I. STATISTICS AND SOCIAL CONDITIONS

**Population.** (Table 1, page 44). The Registrar-General's estimate of the resident population for the mid-year 1970 is 40,260 and the vital statistics in this report are based on this figure.

The population at the 1961 census was 38,659.

**Births.** (Tables 1 and 2, page 44). Six hundred and twenty-nine live births (314 males and 315 females) were registered. This gives a crude birth rate of 15.6 per thousand of the total population, compared with 16.5 in 1969. The corrected birth rate, i.e. that rate which would be arrived at if the age and sex constitution of the population of this district was in the same proportion as the rest of England and Wales is 17.2, compared with 16.0 for England and Wales. Thirty-three live births were illegitimate, 16 males and 17 females.

There were 14 still-births (5 male and 9 female) (2 were illegitimate). This gives a still-birth rate of 22 per thousand total births. Table 8, page 48 records the registered causes of these still-births.

The Registrar-General's area comparability factor for the adjustment of the birth-rate is 1.1.

**Deaths.** (Table 1 page 44, Table 3 page 45 and Table 6 page 46). Five hundred and fifty-four deaths were registered of which two hundred and eighty-three were males and two hundred and seventy-one females. Sixty-seven residents died outside the Borough and four hundred and seventy-seven non-residents died within the Borough. The crude death rate was therefore 13.8, compared with 12.8 in 1969. The corrected death rate, i.e. the rate which would be arrived at if the age and sex constitution of the population of the district was in the same proportion as the rest of England and Wales is 12.1, compared with 11.7 for England and Wales.

The Registrar-General's area comparability factor for the adjustment of the death rate is 0.88.

Table 23, page 64, gives details of deaths from cancer since 1961.

**Maternal Mortality.** (Table 4, page 45). No maternal deaths occurred during the year.

**Infant Mortality.** The infant mortality rate, which is the death rate of children under 1 year of age per 1,000 live births, is shown in Table 5, page 45, in comparison with the rate for England and Wales.

**Perinatal Mortality.** The perinatal mortality, which is still-births and deaths under one week of age was 31 per thousand live and still-births, as compared with 23 for England and Wales.

**State of Employment.** The Kettering Employment Exchange covers the Borough of Kettering, the Urban Districts of Burton Latimer, Desborough and Rothwell, and a number of the villages in the Kettering Rural District, and the following statistics therefore refer to the whole of the Exchange area and are in respect of persons 18 years of age and over. A very large percentage of the men and women referred to, do however, reside in the Borough.

The Manager of the Employment Exchange has kindly supplied the following information:



Number of persons registered as unemployed on 18th January 1970...	...	...	...	...	442
Number of persons registered as unemployed on 31st December 1970	...	...	...	...	480
Number of unemployed registered disabled persons ...	...	...	...	...	71

There are no outstanding demands for labour either for males or females and in the latter case this has not been so for a number of years.

The trade pattern in the staple industries is quiet and orders are in shorter supply than manufacturers would like.

## II. GENERAL PROVISION OF HEALTH AND MEDICAL SERVICES

**Treatment Centres and Clinics.** Out-patients Clinics provided by the Kettering and District Hospital Management Committee of the Oxford Regional Hospital Board are as follows:—

At Kettering General Hospital—

Dental	...	...	...	...	...	Thursday 9.00 a.m.
Orthodontics	...	...	...	...	...	Monday 9.15 a.m. and 2.00 p.m. Tuesday 9.15 a.m. Wednesday 9.15 a.m. and 2.15 p.m.
Orthopaedic	...	...	...	...	...	Monday 2.00 p.m. (1st, 3rd and 5th) Tuesday 2.00 p.m. (2nd and 4th) Thursday 2.00 p.m.
Plastic Surgery	...	...	...	...	...	1st Wednesday 10.30 a.m.
Geriatrics	...	...	...	...	...	Monday 9.00 a.m. (1st, 2nd, 4th and 5th) Wednesday 2.00 p.m.
Chest	...	...	...	...	...	Friday 9.00 a.m.
Medicine	...	...	...	...	...	Monday 2.00 p.m. Wednesday 8.30 a.m. (1st) Wednesday 8.30 a.m. Wednesday 9.00 a.m. (2nd, 3rd, 4th and 5th) Thursday (Alternate) 2.00 p.m. Friday 8.30 a.m. Friday 11.15 a.m. (2nd and 4th)
Physical Medicine	...	...	...	...	...	Tuesday 2.00 p.m. Friday 9.00 a.m.
Surgery	...	...	...	...	...	Monday 9.00 a.m. Monday 2.00 p.m. (2nd) Tuesday 9.00 a.m. Tuesday 10.00 a.m. Wednesday 8.30 a.m. Friday 2.00 p.m.
Gynaecology and Obstetrics	...	...	...	...	...	Monday 9.00 a.m. Tuesday 2.00 p.m. Thursday 2.00 p.m. Friday 1.30 p.m.
Ear, Nose and Throat	...	...	...	...	...	Tuesday 9.00 a.m. Thursday 2.00 p.m. (1st, 3rd and 5th) Thursday 2.30 p.m. (2nd and 4th)

Ophthalmology	...	...	...	...	...	Wednesday 9.00 a.m. Friday 9.00 a.m.
Dermatology	...	...	...	...	...	Monday 9.00 a.m. (3rd) Tuesday 1.30 p.m.
Wart Clinic	...	...	...	...	...	Monday 2.00 p.m. (1st, 3rd and 5th)
Paediatric	...	...	...	...	...	Thursday 9.00 a.m.
Psychiatry	...	...	...	...	...	Monday 9.00 a.m. (Child and Family) Monday 2.00 p.m. (1st and 3rd) (Mental Sub-normality) Wednesday 2.00 p.m. Thursday 8.45 a.m. (Child and Family) Thursday 1.30 p.m.
G.U. Cystoscopy	...	...	...	...	...	Thursday 8.30 a.m.
Radiotherapy	...	...	...	...	...	Wednesday 2.00 p.m. Thursday (alternate) 2.00 p.m.
Combined Radiotherapy/Surgery	...	...	...	...	...	Monday 2.00 p.m. (4th) Wednesday 2.00 p.m. (1st)
Venereal Diseases (Women)	...	...	...	...	...	Tuesday 4.30 p.m.
(Men)	...	...	...	...	...	Tuesday 5.30 p.m.

Special Departments available on reference from one of the above Clinics only:

Orthoptic;  
Speech Therapy;  
Chiropody.

An appointments system is operated for all the above clinics except that for Venereal Diseases.

A casualty and daily fracture clinic, covered by an orthopaedic surgeon, is held at Kettering General Hospital from 9.00 a.m. to 11.00 a.m. each day, except Saturday and Sunday.

The following Clinics and Treatment Centres are provided by the Northamptonshire County Council.

*Relaxation and Mother Craft Clinics—*

School Lane Clinic, British Lane	Monday, 7.00 p.m. Wednesday, 10.00 a.m. Wednesday, 7.00 p.m.
----------------------------------	--

*Child Welfare Clinics—*

School Lane Clinic, British Lane	Monday, 2.00 p.m. Wednesday, 2.00 p.m. Friday, 2.00 p.m.
Barton Seagrave	Tuesday, 2.00 p.m.
St. John's Hall, Grange Estate	Monday, 2.00 p.m. (2nd) (Health Visitor's sessions) Monday, 2.00 p.m. (4th) (Doctor's sessions)

*Immunisation and Vaccination Clinics—*

School Lane Clinic, British Lane	Monday (1st, 2nd and 4th)	) By appointment
	Wednesday (1st and 4th)	) commencing at
	Friday (2nd and 3rd)	) 2.00 p.m.

*Ophthalmic Clinic—*

School Lane Clinic, British Lane	By appointment
----------------------------------	----------------

*Speech Clinic—*

School Clinic, Stockburn Memorial Home	By appointment
---	----------------

*Child Guidance Clinic—*

Stockburn Memorial Home	By appointment
School Lane Clinic, British Lane	By appointment

*Family Planning Clinic—*

School Lane Clinic, British Lane	Thursday, (2nd) 5.30 p.m. — 7.30 p.m. Thursday, (3rd) 9.30 a.m. — 11.30 a.m.
----------------------------------	---

*Cervical Cytology Clinic—*

School Lane Clinic, British Lane	Tuesday, (1st) 9.30 a.m. — 11.30 a.m.
----------------------------------	---------------------------------------

**Laboratory Facilities.** The following specimens were sent to the Public Health Laboratory, Northampton:—

Water — Town's supply from taps	...	...	...	...	...	...	...	...	...	4
Water — Council's Swimming Bath and Paddling Pools	...	...	...	...	...	...	...	...	...	5
(bacteriological examination)										
Water — Other Swimming Baths and Paddling Pools	...	...	...	...	...	...	...	...	...	4
(bacteriological examination)										
Various Foods and Meat Products	...	...	...	...	...	...	...	...	...	47
Milk	...	...	...	...	...	...	...	...	...	41
Ice Cream	...	...	...	...	...	...	...	...	...	11

The following specimens were sent to the Laboratory at the Kettering and District General Hospital or to the Public Health Laboratory, Northampton:—

Faecal Specimens	...	...	...	...	...	...	...	...	...	...	50
------------------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	----

**Health Education.** During the year posters dealing with Health Education were exhibited in the entrance to the Public Library, the Public Baths and the Public Health Department.

In connection with the Anti-Smoking Campaign posters were also displayed in the Technical College, Grammar School, High School and Secondary Modern Schools and at Youth Clubs.

Talks have also been given to various local organisations and whenever possible colour slides taken in the town have been shown to illustrate the talks.

### III. SANITARY CIRCUMSTANCES

**Water.** The provision of water supplies to the Borough of Kettering has been the responsibility of the Mid-Northamptonshire Water Board since 1st July, 1949, and the following information which relates to the whole of the Board's area, as separate figures are not available in respect of Kettering, has been supplied by the Engineer and Manager of the Board.

"The supply has been satisfactory, both in quality and quantity.

The following number of bacteriological analyses were taken, all with satisfactory results:—

Pitsford Raw Water	...	...	...	...	...	...	...	...	78
Pitsford Settled Water	...	...	...	...	...	...	...	...	4
Pitsford Final Water	...	...	...	...	...	...	...	...	95
Cransley Final Water	...	...	...	...	...	...	...	...	88
Bulk supply from Great Ouse Water Authority	...	...	...	...	...	...	...	...	35
From distribution within the Borough	...	...	...	...	...	...	...	...	14

The latest fluoride determinations gave the following results:—

Pitsford	...	...	...	...	...	...	...	...	0.3 p.p.m.
Cransley	...	...	...	...	...	...	...	...	0.2 p.p.m.
Great Ouse Water Authority	...	...	...	...	...	...	...	...	0.3 p.p.m.

The waters are not liable to have plumbo-solvent action.

There was no contamination of the supply".

**Water Supply.** The following table shows the estimated details of the water supply in the town:—

	Dwelling Houses	Estimated Population
Total Number	15,432	40,260
Supplied direct from town's mains	15,420	40,243
Supplied from wells	1	—
Supplied from taps in outbuildings	11	17



**Drainage and Sewerage.** During the year all houses were completed and connected to the sewers on the following estates:—

Tarmac Building Limited	...	...	...	...	Brambleside (Rockingham Road) Estate
Drury Estates Limited	...	...	...	...	Lodge Farm Estate, Phases 1 and 2.

Sewers have been completed on the following estates and houses are being connected as development proceeds:—

Drury Estates Limited	...	...	...	...	Lodge Farm Estate, Phases 3, 4 and 5.
H. Dare and Son Limited	...	...	...	...	Hall Farm Estate, Phase 3.
Dewmoscot Building Company Limited	...	...	...	...	Northfield Avenue Estate.
Boyd Gibbins Limited	...	...	...	...	Rockingham Road Estate (1st Phase).
George Wimpey and Company Limited	...	...	...	...	Ise Park Estate (1st Phase)
Rawlinsons Successors Limited	...	...	...	...	Hall Close Estate.

Sewers were completed on the Telford Industrial Estate and all new premises connected.

Sewers were completed on the East Avenue Estate Development and houses are being connected as development proceeds.

Routine flushing, cleansing and maintenance of sewers has been carried out throughout the year.

Land has been acquired and design for extensions to the Council's Sewage Disposal Works at Finedon is in hand

**Closet Accommodation —**

Houses on water carriage system to septic tanks or cesspools	...	...	...	...	19
Factories on water carriage system to septic tank	...	...	...	...	2

**Rivers and Streams.** These have been inspected and watched for pollution and cleansed where necessary.

**Public Cleansing.** The weekly collection of house and trade refuse and its disposal by controlled tipping at the Wood Lane Tip has proceeded satisfactorily throughout the year. The Wood Lane Tip has been extended during the year.

Routine scavenging, cleansing of streets and street gullies has also continued in a satisfactory manner.

Forty-six cesspool emptyings have been undertaken in the Borough. One hundred and seventy-two catchpit emptyings and 133 grease trap and oil trap emptyings have also been carried out.

**Recreation Grounds.** A 16¾ acres extension of the Weekley Glebe Playing Field was completed during the year.

**Public Conveniences.** All public conveniences have been regularly inspected, cleansed and maintained.

**Private Street Works.** No private street works were carried out during the year.

**District Inspections.** The work of the Public Health Inspectors is summarised in Table 9, page 49. Five thousand one hundred and fifty-four inspections and visits were made in the year 1970 as compared with 6,885 in 1969.

**Factories.** Table 12, page 52, gives particulars of premises on the register and work done under the Factories Acts, 1937 and 1948 in the form prescribed by the Secretary of State for Employment and Productivity.

**Camping Sites.** No sites in the area were used for holiday purposes during the year.

The Northampton Road Recreation Ground site which is used by travelling fairs was kept under sanitary supervision during the time it was used.

**Swimming Baths and Pools** Attendance at the Covered Bath for 1970 was 84,722 as compared with 86,157 during 1969.

Attendance at the Open Air Bath was 16,222 as compared with 23,752 during the previous year.

School attendance (included in the above figure) at the Public Baths totalled 25,092 as compared with 24,305 during 1969.

The Slipper Baths were attended by 9,019 as compared with 10,050 during the previous year.

The purity of the water has been satisfactorily maintained throughout the year.

The Paddling Pool at Rockingham Road Park was filled for the period of the schools' summer holiday only and was kept under careful supervision.

**Prevention of Damage by Pests Act, 1949.** (Table 11, page 51). During the year 306 applications for the services of the Rodent Operator were received from occupiers of premises where infestations existed or were suspected. The early seeking of the assistance of the Public Health Department has enabled infestations to be quickly eradicated.

In January, 121 Statutory Notices were served upon the tenants of the Valley Walk allotments requiring them to clear their properties of rats. The work was undertaken by the Council's Rodent Operative.

The Council's refuse tip and the Sewage Works at Finedon continued to receive regular inspection and treatment.

Seven infestations by rats and thirteen by mice were dealt with at food premises.

Eighty-three requests for the destruction of wasps' nests were received, and although this is a service which the local authority have no statutory duty to provide, it is one which most people gladly take advantage of when the occasion arises and few object to the nominal charge of 50 pence to rid them of their wasps.

## IV. HOUSING

**Individual Unfit Houses.** Table 13, page 53 shows the houses which have been officially represented as unfit under the Housing Acts, 1936–1957, and for which undertakings have been accepted, prior to 1957 that they will not be let for human habitation.

Table 17, page 56, shows the houses which were so represented 1957–1970, under Section 157 of the Housing Act, 1957.

**Clearance of Unfit Houses.** Table 15, page 54, shows the position as at 31st December, 1970 of the houses in Clearance Areas which were officially represented prior to 1970, and Table 16, page 55, shows those which were represented during 1970 for inclusion in Clearance Areas.

Under post-war clearance schemes houses have been dealt with as follows:—

	<i>Years</i>	<i>Number of Areas</i>	<i>Houses Included</i>	<i>Total</i>
<i>(a) Clearance Areas declared:</i>				
	1955–60	42	295	
	1961–65	16	104	
	1966	2	20	
	1967	3	14	
	1968	4	17	
	1969	4	22	
	1970	3	<u>22</u>	494
<i>(b) Corporation owned houses certified as unfit:</i>				
	1957–59		23	
	1961–62		3	
	1966		<u>1</u>	27
<i>(c) Houses represented individually as unfit:</i>				
	1955–60		26*	
	1961–64		14†	
	1967		3	
	1968		2	
	1969		3	
	1970		<u>2</u>	40

\* 9 houses subsequently included in Clearance Areas.

† 1 house subsequently included in Clearance Areas.

By the end of the year a total of 470 houses had been demolished (Nil in 1970) and a further 25 were void, leaving 40 awaiting the re-housing of the occupants. Six houses have been adapted to business use, ten were declared “Fit” following Public Inquiry, and eight were made “Fit”.

In 1970 seven families comprising 22 persons were re-housed from unfit property.

**Repairs to Property.** Table 18, page 57, gives details of the work of the Public Health Inspectors in this connection. One hundred and thirty-one Informal Notices were served and twelve Statutory Notices under the Public Health Acts were served.

**Rent Act, 1957—Certificates of Disrepair.** No applications for Certificates of Disrepair were received during the year.

**Improvement Grants.** The Housing Act, 1969, which came into force on 25th August, 1969, replaced earlier legislation regarding Improvement Grants. The number of grants made during the year was:—

Discretionary Grants made	...	...	...	...	...	...	...	11
Number of tenanted houses involved	...	...	...	...	...	...	...	9
Standard Grants made	...	...	...	...	...	...	...	140
Number of tenanted houses involved	...	...	...	...	...	...	...	54

Of the 140 Standard Grants made, 10 were for the full improvement (i.e. the provision of bath, wash—hand basin, hot water supply, w.c. and sink) and 91 had all amenities provided with the exception of the sink which they already possessed. The remainder were for such amenities as they were lacking.

**Overcrowding.** Three families consisting of 27 persons were living in overcrowded conditions at the end of 1970. One new case, a family consisting of 7 persons, was found to be overcrowded during the year and was rehoused.

**Housing Statistics.** Below are the particulars for 1970 set out in the form required by the Department of Health and Social Security.

**Number of dwelling—houses erected during the year:**

(a)	1.	By Local Authority	...	...	...	...	...	...	90
	2.	By other bodies or persons	...	...	...	...	...	...	279
(b)	With State assistance under the Housing (Financial Provisions) Act, 1958 included in (a):								
	1.	By Local Authority	..	...	...	...	...	...	90
	2.	By other Local Authorities	...	...	...	...	...	...	Nil

**1. Inspection of dwelling—houses during the year:**

(1)	Total number of dwelling—houses inspected for housing defects (under Public Health or Housing Acts)	...	...	...	...	...	...	...	637
(2)	Number of dwelling—houses found to be in a state so dangerously injurious to health as to be unfit for human habitation	...	...	...	...	...	...	...	24
(3)	Number of dwelling—houses (exclusive of those referred to under the preceding sub—head) found not be in all respects reasonably fit for human habitation	...	...	...	...	...	...	...	143



2. Remedy of defects during the year without service of formal notices:

Number of defective dwelling—houses rendered fit in consequence of informal action by the Local Authority or their officers ... ..	124
--	-----

3 Action under Statutory Powers during the year:

A.—Proceedings under Sections 9, 10 and 12 of the Housing Act, 1957:

(1) Number of dwelling—houses in respect of which notices were served requiring repairs ... ..	Nil
--	-----

(2) Number of dwelling—houses which were rendered fit after service of formal notices:—

(a) By owners ... ..	Nil
(b) By Local Authority in default of owners ... ..	Nil

B.—Proceedings under Public Health Acts:—

(1) Number of dwelling—houses in respect of which notices were served requiring defects to be remedied ... ..	10
---	----

(2) Number of dwelling—houses in which defects were remedied after service of formal notices:—

(a) By owners ... ..	10
(b) By Local Authority in default of owners ... ..	Nil

C.—Proceedings under Sections 16 and 23 of the Housing Act, 1957:—

(1) Number of dwelling—houses in respect of which demolition orders were made	Nil
---	-----

(2) Number of dwelling—houses demolished in pursuance of demolition orders	Nil
--	-----

D.—Proceedings under Section 18 of the Housing Act, 1957:—

(1) Number of separate tenements or underground rooms in respect of which closing orders were made ... ..	Nil
---	-----

(2) Number of separate tenements or underground rooms in respect of which closing orders were determined, the tenement or room having been rendered fit ... ..	Nil
--	-----

E.—Proceedings under Section 15 of the Housing Act, 1961:—

(1) Number of separate dwelling—houses in multiple occupation requiring defects remedied ... ..	4
---	---



4. **Housing Act, 1957 – Part IV. – Overcrowding:—**

(1)	(a)	Number of dwellings overcrowded at 31st December, 1970	...	...	...	2
	(b)	Number of families dwelling therein	...	...	...	3
	(c)	Number of persons dwelling therein	...	...	...	27
(2)		Number of new cases of overcrowding reported during the year	...	...	...	1
(3)	(a)	Number of cases of overcrowding relieved during the year	...	...	...	1
	(b)	Number of persons concerned in such cases	...	...	...	7
(4)		Particulars of any case in which dwelling—houses have again become over— crowded after the Local Authority has taken steps for the abatement of overcrowding	...	...	...	Nil

## V. INSPECTION AND SUPERVISION OF FOOD

**Food and Drugs Act, 1955:**

**Milk and Dairies (General) Regulations, 1959:**

**Milk (Special Designations) Regulations, 1963:**

Number of dairymen licensed to retail pasteurised milk	...	...	...	...	68
Number of dairymen licensed to retail untreated milk	...	...	...	...	4
Number of dairymen licensed to retail sterilised milk	...	...	...	...	29
Number of dairymen licensed to retail ultra heat treated milk	...	...	...	...	2

The following table gives the results of milk samples taken in accordance with Section 89 of the Kettering Improvement Act, 1904, and the Milk (Special Designations) Regulations, 1949–1963:

<i>Type of Milk</i>	<i>Test</i>	<i>Total Samples</i>	<i>Satis- factory</i>	<i>Unsatis- factory</i>	<i>Void</i>
Pasteurised	Methylene Blue	31	24	7	—
Pasteurised	Phosphatase	31	30	1	—
Untreated	Methylene Blue	9	9	—	—
Sterilised	Turbidity	—	—	—	—
Ultra Heat Treated	U. H. T.	1	1	—	—

Eighteen washed milk bottles were submitted for bacteriological examination. Nine were reported to be satisfactory, three fairly satisfactory and six unsatisfactory. Six churn rinses were bacteriologically examined. All were reported satisfactory, with the exception of one which was unsatisfactory.

**Ice Cream.** Eleven samples of ice cream were taken from six producers or retailers in accordance with the Food and Drugs Act, 1955. Four were reported to be Grade 1 (Satisfactory), four Grade 2 (Fairly Satisfactory), one Grade 3 (Unsatisfactory), one Grade 4 (Unsatisfactory). One sample was void as the atmospheric temperature was above that laid down in the regulations.

**Meat and Other Foods.** As noted in the Annual Report for the year 1954, the practice has continued whereby a number of the butchers purchase their requirements from wholesalers outside the Borough, and a local wholesaler has animals slaughtered in the town for distribution over a large area outside the town.

The number of carcasses examined is shown below compared with those of the preceding four years.

	1970	1969	1968	1967	1966
Cattle	2,385	2,185	2,554	2,930	2,662
Cows	549	222	232	165	130
Calves	36	40	37	162	69
Pigs	10,010	9,256	9,250	8,415	8,204
Sheep and Lambs	4,785	4,691	6,162	6,939	7,478
<hr/>					
Total Animals	17,765	16,394	18,235	18,611	18,543
<hr/>					

Six hundred and thirty-two visits were made to the abattoir and 21 visits were made to the Cattle Market and Stalls in the General Market. Inspection of meat vehicles operating in the Borough was undertaken from time to time.

Nine slaughtermen were licensed in accordance with the requirements of the Slaughter of Animals Acts, 1933 and 1954. No contraventions of these Acts were found.

A Veterinary Inspector of the Ministry of Agriculture, Fisheries and Food attends the Cattle Market regularly.

As a result of visits being made to the abattoir it was found necessary to condemn 18tons, 15cwts. 3qrs. 19lbs. of meat and offals as being unfit for human consumption. Other food materials weighing 4tons, 2cwts. 0qr. 5lbs. 12ozs. were condemned as a result of visits to premises where food was stored, prepared or sold. One thousand three hundred and seventy eight certificates were issued in respect of home killed meat and offals and in addition ninety-seven certificates were issued in respect of unfit foods.

**Cysticercus Bovis.** Thirty-two cases of cysticercus bovis were detected in the carcasses examined

**Disposal of Condemned Food.** The arrangement made with members of the trade whereby all condemned carcase meat and offals is received by a fat and tallow merchant in Bedfordshire continues to function satisfactorily.

Other condemned foods continue to be burned in the incinerator at Northfield Depot or buried in the Council's refuse tip, all tins being punctured before burial.

## VI. PREVALENCE OF, AND CONTROL OVER, INFECTIOUS AND OTHER DISEASES.

Table 22, page 63, shows the age groups of the various infectious diseases notified during the year.

**Acute Encephalitis.** One case of acute encephalitis was notified following recent vaccination.

**Acute Meningitis.** Two notifications of acute meningitis were received from Kettering General Hospital. Only one was a Kettering resident.

**Acute Poliomyelitis.** No case was notified.

**Anthrax.** No case was notified.

**Cholera.** No case was notified.

**Diphtheria.** No case was notified.

**Dysentery.** Two cases of Sonne Dysentery were notified.

**Food Poisoning.** Three cases of food poisoning were notified and two others were found. All were due to salmonella typhimurium. Two of the patients had recently returned from Japan and another had been on holiday to Ibiza.

**Infective Jaundice.** Sixteen notifications of infective jaundice were received, spread throughout the year.

**Leprosy.** No case was notified.

**Leptospirosis.** No case was notified.

**Malaria.** No case was notified.

**Measles.** Four hundred and nineteen notifications of measles were received. The local rate was 10.4 per 1,000 population. There were no deaths.

**Ophthalmia Neonatorum.** No case was notified.

**Paratyphoid Fever.** No case was notified.

**Plague.** No case was notified.

**Relapsing Fever.** No case was notified.

**Scarlet Fever.** Twenty-four cases of scarlet fever were notified. The attack rate for the Borough of Kettering was therefore 0.59 per 1,000 population. There were no deaths and none was admitted to hospital.

**Smallpox.** No case was notified.

**Tetanus.** No case was notified.

**Typhoid Fever.** No case was notified.

**Typhus.** No case was notified.

**Whooping Cough.** Four cases of whooping cough were notified. The attack rate was 0.1 per 1,000 population. There were no deaths.

**Yellow Fever.** No case was notified.

**Cancer.** The deaths from cancer show an increase on last year, being 126 as compared with 94 in 1969 as shown in Table 23 page 64.

**Disinfecting and Cleansing Service.** Nine articles of clothing and bedding were disinfected. Nine articles of bedding were destroyed at the request of the owners.

## VII. TUBERCULOSIS

Ten cases of pulmonary tuberculosis and two cases of non-pulmonary tuberculosis were notified in 1970. In 1969 the figures were 3 and 2 respectively. The Registrar-General returns one death from pulmonary tuberculosis and one from other tuberculosis. In 1969 there were three deaths.

Table 24, page 65, shows the age groups of the new cases.

There continues to be very little delay before notified cases are admitted to a chest hospital.

The Kettering Chest Care Committee which undertakes the care and aftercare of patients suffering from tuberculosis, also assists patients suffering from other diseases of the chest when requested to do so by the Chest Physician.

The very valuable help given to patients and their families usually consists of the provision of milk, but in special circumstances groceries, travelling expenses or other forms of help may be given. The assistance granted is governed by the availability of funds, all of which are raised from voluntary sources and whenever income shows the need to cut expenditure, grants to persons with "other diseases of the chest" are the first to be reduced, as the primary duty of the Committee is to assist tubercular patients.

Although tuberculosis is no longer the scourge it used to be, we cannot afford to be complacent about this condition.

**Chest X-ray Service.** No general X-ray survey was carried out in the Borough during the year, but the General Practitioners' Referral Service continued to operate, visiting the town every Monday from 4.00 p.m. to 4.30 p.m. Special surveys of groups suspected to have been in contact with newly discovered cases were undertaken.



## VIII. WELFARE

### Welfare of the Aged

The Honorary Secretary of the Kettering Old People's Welfare Association, Miss K. Navin, has kindly supplied the following information regarding the year's activities:—

'The 'Pop-In' at the Manor House on Fridays is still very well patronised. The Dimplex heaters for the poor sick are all in use and a further five are now being installed. The pilot Flashing Lights scheme has been completed for the St. Andrew's Ward. The various activities mentioned in previous years have continued and the chiropody service is very much appreciated'.

Mrs. K.M. Cheaney, the leader of the Cytrigan Day Club reports that the membership has remained steady and there is still a considerable waiting list for membership. Several very enjoyable outings were arranged for members, one to the sea and two country tours. A special half day outing for the less mobile members who are unable to manage a full day was also held. In September a coach load of the more active members had a very pleasant week's holiday at Pontin Sandbay Camp near Weston—super—Mare. The usual Christmas Party was held and members were given a small Christmas gift. A new venture this year has been to invite several patients from Mayfair Hospital to visit the club and enjoy the amenities. They are fetched by car and afterwards taken home.

The Leader of the Monday Darby and Joan Club, Mrs. E. Starmer, has stated that this Club, which has a membership of 136, has continued to be well supported and the various activities and outings very much appreciated.

The Wednesday Darby and Joan Club under the Leadership of Mrs. Church is now in its 21st year and this also has had a very good year with all meetings and outings well attended.

Mrs. D. Morrison, the Leader of the Friday Over—Sixty Club reports that the attendances of the 150 members were good. A Birthday Outing was held at Wicksteed Park for tea and then to the Windmill Club, Rushden, for entertainment.

Fifty—three members had a week's holiday at Weymouth in May and forty—one a week at Torquay in September.

Various day and half—day outings during the summer were much appreciated as also was the usual Christmas Party.

Mrs. M.E. Chapman, the Secretary of the St. John's Over Sixty Club has reported as follows:—

'During the past year St. John's Club, has averaged a weekly attendance of 90. We have lost some of our members during the year, and we have been pleased to welcome several new ones. We had several outings during the past year, including trips to Coventry, a tour of Matlock and Derbyshire Peaks, a chicken and chip supper, and also a sausage and mash supper and have been to most of the shows put on by local societies'.

Mrs. M.J. Almond, the Leader of the Barton Seagrave Evergreen Club writes:—

‘Although speakers are a rare sight at meetings we do seek advice talks or demonstrations as required, and during 1970 the assistant Manager of the Trustee Savings Bank talked to our meeting about Decimal Currency. Also Dr. Goodchild, (St. Mary’s Hospital) gave the members some advice, “Care of the elderly during cold spells”. This talk brought to light some of the simple little things that are beneficial to elderly people who live alone. Dr. Goodchild also spoke “lightly” about necessary “diet”, (food and hot drinks).

Usual Club outings and parties also took place’.

The Senior Citizens Evening Club of which Mrs. E.F. Phillips is the Leader held 47 club meetings during 1970. Three golden weddings were celebrated and outings to Felixstowe, Stratford-on-Avon and a country trip were held. In the Spring, a party went on holiday to Weymouth and in the Autumn a party went to stay in Brighton.

### **Meals on Wheels Service**

Mrs. N.G. Wootton, who has been the Organiser of this Service since it was inaugurated in 1959 until her retirement at the end of 1970, has kindly supplied the following report on this most valuable service to the elderly:—

‘During the year 1970 the Meals on Wheels Service continued to operate very satisfactorily.

In this period 11,681 meals were delivered to approximately 201 elderly people.

The need for the service continued to increase, and the number of applications received on behalf of elderly people exceeded available vacancies, as had been the case for some time.

It was felt that a serious effort must be made to alleviate this situation, and as a result an additional scheme was put into operation in September, under Mrs. J. Phillips who became the Organiser for the new section. Thirty extra meals are now supplied by St. Mary’s Hospital on Tuesdays and Thursdays, increasing the weekly total of meals delivered from 230 to 290, and this has greatly helped to reduce the waiting list.

Another mile-stone was passed in November when the total number of meals delivered since the start of the service reached 100,000, and a special occasion was made of this. Lady Hesketh, the W.R.V.S. County Organiser, delivered the 100,000th meal personally, and His Worship the Mayor of Kettering honoured the occasion by his presence’.

### **St. Giles’ Club for the Disabled**

This Club is organised by the British Red Cross Society and Mrs. M.E. Patrick, the Honorary Secretary of the Club has kindly supplied the following report:—

'For St. Giles' Club for the Disabled, 1970 was a year of extension. With the help of more private car owners several more disabled persons were able to enjoy the companionship and facilities of the weekly meetings.

Numerous visitors to an Open Day showed particular interest in the splendid exhibition of handicrafts.

The high standard of work achieved under the auspices of the County Welfare workers was a superb compliment to all concerned. Many orders were placed, creating further interest and occupation for the disabled.

The headmasters of two Kettering Schools invited the members to their school. The pleasure of the entertainment and the impact of the young on the disabled was quite remarkable. Traditional outings and celebrations were much enjoyed.

With continued co-operation between members and helpers we look forward to the pleasures of 1971'.

### **Blind Welfare**

Mr. C.H. James, Honorary General Secretary of the Kettering and District Amalgamated Clubs' Committee for the Blind states that improved income enabled each blind person registered with the Committee to receive £11.00 during 1970, compared with £9.00 in the previous year. There were 108 persons who benefited in this way, all of whom were at least 85% blind

### **East Northants Branch of the British Diabetic Association**

The Honorary Secretary of this Branch, Mr. J. Grocock, reports that during 1970 the membership increased considerably, especially amongst young persons from 3 to 18 years of age. Talks to members included "Decimal Currency", "English Cheeses", "Oil Painting" and "Pot Plants", but much of the time was, however, spent in planning activities for 1971 when it is hoped to raise locally at least £1,000 for the National Research Fund, in celebration of the fiftieth anniversary of the discovery of Insulin.

### **Kettering Mothers' Club**

A report from Mrs. B. Geary, Honorary Secretary of this Club, has stated:—

'Membership this year has been so considerable that it has been necessary to begin the "Thursday Mothers' Club". Again, this year's programme has been varied, ranging from a talk by a Probation Officer to the less serious evening when a Beetle Drive was held. Also it included demonstrations of cookery, cosmetics, wigs, flower arranging and handspinning. Two more very interesting evenings were held when two members of Kettering Civic Society spoke about their aims in the town, and a bank official spoke about "Woman, Her Money and Her Bank".

We were extremely pleased with our donations to charities, the amount given was £94.00. Amongst the charities that benefited were Multiple Sclerosis, John Groom's Crippleage, National Society for Cancer Relief, Spina Bifida, Shelter and Diabetic Association'.

## **Mobile Library Service**

Mrs. S.H. Idell, the Organiser of this Service, has very kindly supplied the following information:—

‘The year 1970/71 has been another successful and expanding year for The “Books on Wheels” Service. The number of books distributed has increased by 59% over the last year to 15,022.

At the present time there are 27 voluntary helpers operating in teams of two. Distribution is made every Thursday, the teams being on a fortnightly rota. The range of books is divided into four categories, Romance, Cowboys and Detectives, Mixed and Large Print. The most popular are the Romantic and Historical but the Large Print Books are greatly appreciated by the elderly with failing eyesight.

There are now 120 housebound elderly people on the list which is continually growing.

The voluntary helpers greatly appreciate the assistance and co—operation of the staff of Kettering Library’.

## **National Assistance Act, 1948 — Section 50 — Disposal of the Dead**

One case was dealt with by the Authority during the year.

**CHIEF PUBLIC HEALTH INSPECTOR'S REPORT ON  
PUBLIC HEALTH AND FOOD INSPECTION  
FOR THE YEAR 1970**

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**(a) STAFF**

Mr. C.L. Riley joined the Department as an Additional Public Health Inspector in February and Mr. C.R. Wilson left one week later. Except for this one week, the Department was one Public Health Inspector short of establishment throughout the year, resulting in much routine work having to be left.

I was re-elected as Honorary Secretary of the Northamptonshire Branch of the Association of Public Health Inspectors and also served on the East Midlands Centre Council of the same Association.

**(b) HOUSING**

**(i) Clearance**

In 1970, 22 houses were dealt with in three small Clearance Areas. Two individual houses were also represented as being unfit for human habitation.

A stage has now been reached where the houses cleared each year represent the normal wastage that must be expected to continue indefinitely.

**(ii) Repairs**

Few difficulties were experienced in getting owners to carry out necessary repairs.

**(iii) Qualification Certificates**

The 1969 Housing Act introduced a method of enabling landlords to obtain a higher rent for controlled tenancies. The Local Authority has responsibility to ensure that the house has all the standard amenities (bath, wash hand basin, sink, hot water supply and indoor w.c.) and is in a good state of repair. When the Local Authority is satisfied a Qualification Certificate is issued, which enables the landlord to apply to the Rent Officer for a new rent to be assessed.

In cases where all the standard amenities are not yet provided, an application from a landlord can still be considered and if the works proposed, including works of repair, are considered adequate a Provisional Qualification Certificate is issued pending completion of the work.

This is a very useful encouragement to owners to modernise their houses and will assist in raising still higher the percentage of improved houses in Kettering.

Thirty-eight applications were received during 1970. In many cases it was necessary to ask for repairs and these were usually completed with little delay.



In a few houses the disrepair was so bad that action could have been taken irrespective of the application for a Qualification Certificate.

(iv) **Improvement Areas**

Steady progress continued in all the six Improvement Areas declared under the 1964 Housing Act and 632 houses have now been modernised in those areas since 1965.

As Improvement Areas 1 and 2 were declared in 1965, it became possible during the year to enforce the improvement of tenanted houses where the consent of the tenant had been withheld during the previous 5 years. All such houses were visited and the tenants interviewed. Fourteen requested that their houses now be improved and in 11 further cases the Health Committee decided improvement should be required. In these cases it was necessary to offer to rehouse the tenants and the Housing Committee agreed to this being done. As a general rule no tenant over 70 was required to have his house improved unless the improvement was of a minor nature only, e.g. the provision of hot water over a sink.

The following tables show the position at 31st December, 1970, with the figures for 1969 in brackets.

**IMPROVEMENT AREA No. 1 — DECLARED 24th FEBRUARY, 1965**

	<i>Owner/ Occupied</i>	<i>Tenanted</i>	<i>Total</i>
Already modernised when area was declared	36	6	42
Modernised since area was declared	22 ( 21)	11 ( 10)	33 ( 31)
Modernisation desired but not yet completed	— ( — )	2 ( — )	2 ( — )
Modernisation not desired	16 ( 17)	8 ( 11)	24 ( 28)
	<u>74</u>	<u>27</u>	<u>101</u>

75% (73%) of the houses are now modernised.

**IMPROVEMENT AREA No. 2 — DECLARED 23rd JUNE, 1965**

	<i>Owner/ Occupied</i>	<i>Tenanted</i>	<i>Total</i>
Already modernised when area was declared	158	20	178
Modernised since area was declared	73 ( 58)	69 ( 69)	142 (127)
Modernisation desired but not yet completed	5 ( 5)	25 ( 2)	30 ( 7)
Modernisation not desired	78 ( 88)	11 ( 42)	89 (130)
	<u>314</u>	<u>125</u>	<u>439</u>

73% (69%) of the houses are now modernised



**IMPROVEMENT AREA No. 3 – DECLARED 23rd NOVEMBER, 1966**

	<i>Owner/ Occupied</i>	<i>Tenanted</i>	<i>Total</i>
Already modernised when area was declared	409	40	449
Modernised since area was declared	70 ( 64)	68 ( 61)	138 (125)
Modernisation desired but not yet completed	10 ( 8)	9 ( 11)	19 ( 19)
Modernisation not desired	113 (120)	42 ( 46)	155 (166)
	<u>602</u>	<u>159</u>	<u>761</u>

77% (76%) of the houses are now modernised

**IMPROVEMENT AREA No. 4 – DECLARED 28th JUNE, 1967**

	<i>Owner/ Occupied</i>	<i>Tenanted</i>	<i>Total</i>
Already modernised when area was declared	912	163	1,075
Modernised since area was declared	111 ( 87)	93 ( 74)	204 (161)
Modernisation desired but not yet completed	29 ( 25)	18 ( 27)	47 ( 52)
Modernisation not desired	247 (268)	84 ( 91)	331 (359)
	<u>1,299</u>	<u>358</u>	<u>1,657</u>

78% (75%) of the houses are now modernised

**IMPROVEMENT AREA No. 5 – DECLARED 28th FEBRUARY, 1968**

	<i>Owner/ Occupied</i>	<i>Tenanted</i>	<i>Total</i>
Already modernised when area was declared	1,152	128	1,280
Modernised since area was declared	66 ( 49)	45 ( 22)	111 ( 71)
Modernisation desired but not yet completed	29 ( 31)	23 ( 33)	52 ( 64)
Modernisation not desired	201 (215)	95 (109)	296 (324)
	<u>1,448</u>	<u>291</u>	<u>1,739</u>

80% (78%) of the houses are now modernised

**IMPROVEMENT AREA No. 6 – DECLARED 23rd DECEMBER, 1968**

	<i>Owner/ Occupied</i>	<i>Tenanted</i>	<i>Total</i>
Already modernised when area was declared	670	135	805
Modernised since area was declared	26 ( 13)	11 ( 2)	37 ( 15)
Modernisation desired but not yet completed	32 ( 24)	21 ( 17)	53 ( 41)
Modernisation not desired	67 ( 44)	49 ( 34)	116 ( 78)
Not yet inspected	—	—	— (348)
	<u>795</u>	<u>216</u>	<u>1,011</u>

83% of the houses are now modernised

Once again a clear indication of the progress being made can be obtained from the number of attendances at the public slipper baths which were as follows:—

1966	—	14,983
1967	—	13,022
1968	—	12,125
1969	—	10,050
1970	—	9,019

Throughout the year consideration was being given to the declaration of a General Improvement Area under the Housing Act, 1969 in the Northfield Area. The National Building Agency who were called in to advise, produced a scheme for 300 houses at an estimated annual cost equal to that for the 5,500 houses in the six old Improvement Areas. Much time was spent on the planning of the operation for these 300 houses but at the end of the year, no conclusion had been reached. It seems a pity that the passing of the 1969 Housing Act was not delayed long enough for the Northfield Area to be dealt with in the same way as Improvement Areas in the rest of the town.

As the legislation now stands it is still possible for tenants of most houses lacking modern amenities to require these to be provided and if such tenants were given full details and implications respecting rent, it is probable that at least 50% would agree to the improvement being done without delay.

#### (v) Improvement Grants

The supervision for a three year period of all houses which have been modernised with the aid of a grant under earlier legislation continued. Three hundred and thirty-seven forms were sent to owners for them to sign a declaration that conditions were being complied with and 283 of these were returned. Public Health Inspectors visited 55 premises during the year.

#### (c) AIR POLLUTION

Table 25 on page 66 gives the monthly readings obtained from the apparatus sited at the Municipal Offices. The figures for smoke show a further improvement after remaining steady over a three year period.

The Sulphur dioxide readings show a dramatic improvement.

These figures are being achieved in the main by the voluntary changes made in home heating by householders and serve to emphasise the view that compulsory smoke control areas are not needed in Kettering.

The worst industrial pollution is caused by the cupolas at two engineering factories both of which are close to residential areas. There is no easy way of controlling these emissions.

Seven applications for approval of new chimney heights were received during the year. It was surprising to find one National Organisation trying (in vain) to bluff their way out of the legal requirements.

**(d) MEAT INSPECTION**

For many years all animals slaughtered at the Public Abattoir have been inspected without exception.

During the year 17,765 animals were slaughtered and 17,764 inspected in the normal way. One pig, however, was stolen before it had been passed as fit for human consumption; it was known to be affected with abscesses and had been detained for further inspection next day. The record of 100% inspection was in jeopardy for two days until the carcass was recovered by the police; it was then judged to be unfit for human consumption.

Over 18 tons of meat and offal were found to be unfit for human consumption. (See Table 21, page 62).

The throughput was again disappointing and until it is doubled and the size of the slaughtering team increased, the full benefits of 'on-line' dressing will not be achieved.

**(e) FOOD HYGIENE**

One thousand two hundred and forty-six inspections were made of the 335 food premises, the standards remaining high at the majority.

Samples of food for bacteriological examination were sent to the Public Health Laboratory at Northampton as follows:—

Ice Cream ... ..	11
Beef Steak Pie ... ..	1
Sausages ... ..	1
Cooked Meats ... ..	13
Cooked Chicken ... ..	5
Uncooked Chicken ... ..	4
Prawns ... ..	1
Water Cress... ..	1
Various Meat Products ... ..	15
Various Fish Products ... ..	2
Continental Meat Products ... ..	3
Rabbit ... ..	1

For all these foods except ice cream no standard is laid down and whilst the presence of pathogenic bacteria would obviously make them unfit, the detection of such organisms as E. Coli which normally originate in the human bowel cannot be regarded with equanimity although they do not usually give rise to illness. To classify such results as unsatisfactory is too facile; they indicate that the standard of handling at some stage of production has been less than is desirable. One sample of ice cream was reported to be Grade III and one Grade IV and the standards at the premises concerned were not high. Of the other foods sampled, 5 of cooked meat; 2 of cooked chicken and one each of cress, meat products and fish products gave indications that bacteriologically they could have been more carefully handled. The remaining samples were satisfactory.

Thirty-one samples of milk, 18 washed milk bottles and 6 churn rinses were also sent for bacteriological examination. The results listed in detail on page 26 leave much to be desired.

Once again the co-operation of the general public was excellent in bringing forward items of unsatisfactory food which they had purchased. All were investigated and the following 29 reported to the Health Committee with results as shown:—

1. Chocolate Bar containing small stones	Warning letter to manufacturers
2. Lemon Curd Tart containing rodent droppings	Strong warning letter to bakers concerned
3. Catering pack of Frozen Peas containing a slug	Warning letter to packers
4. Jar of Jam containing a cigarette end	Warning letter to manufacturers
5. Wholemeal Loaf containing a cigarette end	Warning letter to bakery concerned
6. Chocolate Easter Egg infested with insects (Australian spider beetles)	Warning letter to retailer concerned
7. Packet of Breakfast Cereal containing a metal bolt	Warning letter to manufacturer
8. Pint Bottle of Milk containing a piece of broken glass	Strong warning letter to the dairy concerned
9. Defective tin of Minced Beef Loaf	Letter to the importer expressing concern that food of a code known to be suspect had been released for sale
10. Two portions of Cooked Chicken having an offensive smell	Legal proceedings instituted against retailer
11. Pint Bottle of Milk with a quantity of pink fluff adhering to inside of bottle	Legal proceedings instituted against dairy concerned
12. Pint Bottle of Milk which was very dirty on inside of bottle	Warning letter to the dairy concerned
13. Pint Bottle of Milk which was very dirty on inside of bottle	Strong warning letter to the dairy concerned
14. Tin of Minced Apple containing a wasp	Warning letters to firms producing and canning the minced apple
15. White Loaf containing a piece of black material	Warning letter to bakery concerned
16. Sausage affected with mould	Warning letter to retailer concerned

17. White Loaf affected with mould	Warning letter to bakery concerned and also to the retailer
18. Three Cream Cakes extensively affected with mould	Warning letter to bakery concerned
19. Fresh Cream Chocolate Swiss Roll containing a four inch long strand of brown string	Warning letter to firm concerned
20. Steak and Kidney Pie containing a piece of flint	Warning letter to manufacturer
21. Apple Turnover affected with mould	Warning letter to firm concerned
22. Jam Tart containing two pieces of a wasp	Warning letter to manufacturer
23. Minced Meat contaminated with cigarette ash	Warning letter to firm concerned
24. Fillets of Fish smelling offensively	Legal proceedings instituted against firm concerned
25. Ice Lolly containing a maggot	Warning letter to manufacturer
26. Frozen Beefburgers affected with mould	Warning letter to retailer
27. Frozen Water Ice containing foreign matter, probably mould	Warning letter to manufacturer
28. Packet of Breakfast Cereal containing a large piece of carbonaceous matter, identified as burnt maize starch	Warning letter to manufacturer
29. Uncut White Loaf containing dark coloured material within the loaf	Warning letter to bakery concerned

That so many complaints should be dealt with by means of a warning letter may give the impression of excessive leniency. On the other hand the objective is to ensure that no repetition will occur, rather than to punish, and when a firm appear to have taken every possible precaution and to be fully aware of their responsibilities, an appearance at Court will not achieve any higher standard.

No food manufacturer or retailer treats an official complaint lightly and it is hoped that prosecution will remain a last resort

#### (f) WATER SUPPLIES

Four samples were taken from the town's mains, all being reported as "Very Satisfactory".



**(g) SWIMMING BATHS**

Nine samples were taken from the 6 swimming and paddling pools. Eight were reported as being "Very Satisfactory" and one as "Unsatisfactory". The unsatisfactory sample was from a private pool and advice was given to the owner.

**(h) PEST CONTROL**

Three hundred and six complaints were received and investigated regarding rats and mice.

During the early months of the year infestations of rats on Valley Walk Allotments were cleared.

Contracts to the value of £222.50 are now held by the Department for clearing pests from commercial and other premises.

Considerable difficulty was experienced in clearing infestations of mice from properties in the town centre and it was necessary to resort to large numbers of traps after poisoning proved ineffective.

Action against pigeons in the built up areas continued discreetly and during the year 91 were eliminated.

**(i) DRAINS AND SEWERS**

Three hundred and eighty-six drains were cleared by the Department during 1970, no charge being made for this service.

In many towns the clearing of stopped drains is left for the householder to employ a contractor. It is therefore hard to understand the anger of a few residents when stoppages occurring during a week-end were not given attention until Monday morning.

**(j) NOISE ABATEMENT**

Ten complaints regarding noise were received. Improvements were achieved informally in all cases.

**(k) HEALTH EDUCATION**

Five talks on different aspects of the work of the Department were given during the year, 4 of these being to schools. The collection of coloured slides taken in Kettering are proving very useful as a basis for such talks.

**(l) PROSECUTIONS**

The following cases were taken with the results shown:—



Food and Drugs Act, 1955 – Milk

Two sealed pint bottles of milk dirty internally

Fined £10.0.0d. for each offence

Food and Drugs Act, 1955 – Section 8

Two portions of cooked chicken unfit for human consumption

Fined £25.0.0d. and Advocate's Fee of £5.5.0d.

Milk and Dairies (General) Regulations, 1959

Pint bottle of milk with a quantity of pink fluff adhering to inside of bottle

Fined £15.0.0d.

**(m) FILTHY AND VERMINOUS PREMISES**

In three separate houses, the atrocious living conditions have been remedied and the occupants have accepted a more normal way of life. In two of these cases considerable practical assistance was given through the Church of the occupants, and in the third case, Mrs. Jones, the Social Worker at St. Mary's Hospital became closely involved and helped enormously.

The problems presented by such cases are complicated by the diversity of the responsibility to provide a remedy. The General Practitioner, the Hospital Service, the Mental Health Officer, the Welfare Officer, the Children's Officer, the School Teacher, the Home Help Service, the Police, the Medical Officer of Health and the Public Health Inspector share responsibility with numerous voluntary organisations. To co-ordinate such a team is impossible, to try to is to meet both apathy and enthusiasm, and one has to balance the refusal of the Gas Board to reconnect a supply until every penny of an outstanding account had been paid, with the offer of Nuns to redecorate a dirty livingroom.

Inevitably, it was found that in their desire to help, Public Health Inspectors were having to do work for which they had neither responsibility nor time.

The fact that it is possible to report success in three cases, is one of the outstanding achievements of the year.

**(n) CONCLUSION**

The year 1970 was a difficult one in which shortage of staff precluded all except essential work. It is only because no member of the staff required sick leave, that 100% meat inspection was carried out and all complaints were promptly investigated.

I again wish to express appreciation of the interest and support given by the Chairman and Members of the Health Committee and of the co-operation of Dr. Farquhar and the other Chief Officers.

*G. WALSHAW, Chief Public Health Inspector*

# X. STATISTICAL TABLES

Table 1

Vital Statistics for the years 1961–1970

Year	Estimated Population (Mid-Year)	LIVE BIRTHS			DEATHS				
		No.	Rate		Under 1 year		All Ages		
					No.	Rate per 1,000 Live Births	No.	Rate	
			Crude	Adjusted				Crude	Adjusted
1961	38,570	619	16.05	17.17	10	16.16	478	12.39	11.4
1962	38,650	653	16.9	18.07	7	10.72	457	11.85	11.03
1963	38,780	671	17.3	19.03	12	17.88	499	12.84	11.04
1964	38,840	704	18.1	19.93	16	22.72	530	13.65	11.74
1965	39,040	660	16.9	18.59	10	15.15	477	12.22	10.26
1966	39,100	680	17.4	19.13	6	8.82	484	12.38	10.4
1967	39,270	659	16.8	18.48	11	16.69	458	11.66	9.9
1968	39,730	673	16.9	18.59	16	23.8	521	13.1	11.4
1969	40,040	661	16.5	18.20	10	15.0	514	12.84	11.1
1970	40,260	629	15.6	17.2	14	22.0	554	13.8	12.1

Table 2

England and Wales and the Borough of Kettering, 1961–1970

Birth Rates

	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970
England and Wales	17.4	18.0	18.2	18.4	18.1	17.7	17.2	16.9	16.3	16.0
Kettering	17.17	18.07	19.03	19.93	18.59	19.13	18.48	18.59	18.2	17.2

**Table 3**  
**England and Wales and the Borough of Kettering, 1961–1970**

**Death Rates**

	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970
England and Wales	12.0	11.9	12.2	11.3	11.5	11.7	11.2	11.9	11.8	11.7
Kettering	11.4	11.03	11.04	11.74	10.26	10.4	9.9	11.4	11.1	12.1

**Table 4**  
**England and Wales and the Borough of Kettering, 1961–1970**

**Maternal Mortality**

(Per 1,000 total (Live and Still) Births)

	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970
England and Wales	0.33	0.35	0.28	0.25	0.25	0.26	0.20	0.24	0.19	0.18
Kettering	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

**Table 5**  
**England and Wales and the Borough of Kettering, 1961–1970**

**Infant Mortality**

	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970
England and Wales	21.6	20.7	20.9	20.0	19.0	19.0	18.3	18.0	18.0	18.0
Kettering	16.16	10.72	17.88	22.72	15.15	8.82	16.69	23.8	15.0	22.0

Table 6

REGISTERED CAUSES OF DEATH	Males	Females	Total
Tuberculosis of Respiratory system ... ..	1	—	1
Other Tuberculosis ... ..	1	—	1
Malignant neoplasm, buccal cavity etc. ... ..	2	—	2
Malignant neoplasm, oesophagus ... ..	2	2	4
Malignant neoplasm, stomach ... ..	7	7	14
Malignant neoplasm, intestine .. ..	9	6	15
Malignant neoplasm, lung, bronchus ... ..	22	6	28
Malignant neoplasm, breast ... ..	—	14	14
Malignant neoplasm, uterus ... ..	—	4	4
Malignant neoplasm, prostate ... ..	6	—	6
Leukaemia ... ..	1	1	2
Other malignant neoplasms ... ..	13	22	35
Benign and unspecified neoplasms ... ..	—	2	2
Diabetes Mellitus ... ..	1	6	7
Other endocrine etc. diseases ... ..	—	1	1
Other diseases of blood etc. ... ..	1	—	1
Mental disorders ... ..	1	1	2
Other diseases of nervous system ... ..	2	2	4
Chronic rheumatic heart disease ... ..	5	11	16
Hypertensive disease ... ..	8	11	19
Ischaemic heart disease ... ..	85	45	130
Other forms of heart disease ... ..	4	12	16
Cerebrovascular disease ... ..	27	43	70
Other diseases of circulatory system ... ..	7	15	22
Influenza ... ..	8	6	14
Pneumonia ... ..	15	13	28
Bronchitis and emphysema ... ..	19	5	24
Other diseases of respiratory system ... ..	4	2	6
Peptic Ulcer ... ..	7	3	10
Intestinal obstruction and hernia ... ..	4	1	5
Cirrhosis of liver ... ..	1	2	3
Other diseases of digestive system ... ..	7	2	9
Nephritis and nephrosis ... ..	—	2	2
Other diseases, genito-urinary system ... ..	2	2	4
Diseases of musculo-skeletal system ... ..	—	7	7
Congenital anomalies ... ..	1	3	4
Birth injury, difficult labour, etc. ... ..	1	—	1
Other causes of perinatal mortality ... ..	2	2	4
Motor vehicle accidents ... ..	5	5	10
All other accidents ... ..	2	5	7
Total all causes	283	271	554

Table 6 — *continued*

										<i>Males</i>	<i>Females</i>	<i>Total</i>
Deaths of infants under 1 week												
Total	...	...	...	...	...	...	...	...	...	3	3	6
Legitimate	...	...	...	...	...	...	...	...	...	3	3	6
Illegitimate	...	...	...	...	...	...	...	...	...	—	—	—
Deaths of infants 1 week and under 4 weeks												
Total	...	...	...	...	...	...	...	...	...	—	1	1
Legitimate	...	...	...	...	...	...	...	...	...	—	1	1
Illegitimate	...	...	...	...	...	...	...	...	...	—	—	—
Deaths of infants 4 weeks and under 1 year												
Total	...	...	...	...	...	...	...	...	...	4	3	7
Legitimate	...	...	...	...	...	...	...	...	...	4	2	6
Illegitimate	...	...	...	...	...	...	...	...	...	—	1	1
Total deaths of infants under 1 year										7	7	14

Table 7

## Infant Mortality, 1970 — Causes of Death

<i>Causes</i>	<i>Number of Deaths</i>
Pneumonia ... ..	5
Other disease of respiratory system ... ..	2
Congenital anomalies ... ..	2
Birth injury ... ..	1
Other causes of perinatal mortality ... ..	4
	—
	14
	—

Table 8

## Still-Births, 1970 — Certified Causes

<i>Sex</i>	<i>Cause</i>	
F	I (a)	Macerated foetus (Cause unknown)
	II	Twin pregnancy
F	I (a)	Accidental haemorrhage
F	I (a)	Prematurity (Cause unknown)
F	I (a)	Intra uterine asphyxia
	(b)	Cause unknown
	II	Hydrocephalus
F	I (a)	Intra uterine asphyxia
	(b)	Placental insufficiency
M	I (a)	Anencephaly
F	I (a)	Foetal asphyxia
	(b)	Haemorrhage — respiratory system
	II	Acute dehydration in 1st stage (corrected)
M	I (a)	Accidental haemorrhage
	(b)	Pre-eclamptic toxæmia
M	I (a)	Congenital abnormalities Bilateral harelip and cleft palate
	(b)	Mild hypertension (Pre-existing)
M	I (a)	Macerated foetus
	(b)	Maternal toxæmia
	(c)	Small placenta
M	I (a)	Asphyxia
	(b)	Cord tightly around neck
	II	Severe P.E.T. from 36th week
F	I (a)	Macerated foetus (Cause not known)
F	I (a)	Anencephaly
F	I (a)	Macerated foetus (Cause not known)



Table 9

## Summary of Routine Work of the Public Health Inspectors

<i>Nature of Visits, Inspections, etc.</i>													<i>Number of Visits, etc.</i>
<b>House Inspection</b>													
Overcrowding	...	...	...	...	...	...	...	...	...	...	...	...	5
Section 9	...	...	...	...	...	...	...	...	...	...	...	...	13
Section 16	...	...	...	...	...	...	...	...	...	...	...	...	7
Section 42	...	...	...	...	...	...	...	...	...	...	...	...	143
Public Health Act	...	...	...	...	...	...	...	...	...	...	...	...	474
Disrepair Certificates	...	...	...	...	...	...	...	...	...	...	...	...	—
Improvement Grants	...	...	...	...	...	...	...	...	...	...	...	...	55
Houses Let in Lodgings	...	...	...	...	...	...	...	...	...	...	...	...	29
Improvement Areas	...	...	...	...	...	...	...	...	...	...	...	...	701
Qualification Certificates	...	...	...	...	...	...	...	...	...	...	...	...	54
<b>Clean Air Act</b>													
Houses	...	...	...	...	...	...	...	...	...	...	...	...	8
Commercial Premises	...	...	...	...	...	...	...	...	...	...	...	...	11
Factories — Visits	...	...	...	...	...	...	...	...	...	...	...	...	9
Smoke Observations	...	...	...	...	...	...	...	...	...	...	...	...	6
Infectious Disease Investigations	...	...	...	...	...	...	...	...	...	...	...	...	38
Noise Abatement Inspections	...	...	...	...	...	...	...	...	...	...	...	...	35
<b>General Sanitation</b>													
Accumulations of refuse	...	...	...	...	...	...	...	...	...	...	...	...	55
Keeping of Animals	...	...	...	...	...	...	...	...	...	...	...	...	14
Ashbins	...	...	...	...	...	...	...	...	...	...	...	...	7
Drains : Inspections (i) Old	...	...	...	...	...	...	...	...	...	...	...	...	72
(ii) New	...	...	...	...	...	...	...	...	...	...	...	...	20
Smoke Tests	...	...	...	...	...	...	...	...	...	...	...	...	9
Colour Tests	...	...	...	...	...	...	...	...	...	...	...	...	—
Entertainment, Places of	...	...	...	...	...	...	...	...	...	...	...	...	—
Factories with mechanical power	...	...	...	...	...	...	...	...	...	...	...	...	58
Factories without mechanical power	...	...	...	...	...	...	...	...	...	...	...	...	—
Factories — Other	...	...	...	...	...	...	...	...	...	...	...	...	4
Outworkers...	...	...	...	...	...	...	...	...	...	...	...	...	46
Pests Act : Rodents	...	...	...	...	...	...	...	...	...	...	...	...	196
Insects	...	...	...	...	...	...	...	...	...	...	...	...	255
Pet Animals Act	...	...	...	...	...	...	...	...	...	...	...	...	6
Sewers, W.C.'s, Drains, etc., defective	...	...	...	...	...	...	...	...	...	...	...	...	52
Tents, vans and sheds	...	...	...	...	...	...	...	...	...	...	...	...	—

Table 9 – continued

<i>Nature of Visits, Inspections, etc.</i>											<i>Number of Visits, etc.</i>
<b>General Sanitation (continued)</b>											
Miscellaneous nuisances, etc....	...	...	...	...	...	...	...	...	...	...	1,248
Interviews with owners, agents, builders and tenants	...	...	...	...	...	...	...	...	...	...	155
<b>Meat and Food Inspection and Food Hygiene</b>											
Visits to :											
Bakehouses ...	...	...	...	...	...	...	...	...	...	...	17
Butchers ...	...	...	...	...	...	...	...	...	...	...	44
Dairies, etc...	...	...	...	...	...	...	...	...	...	...	14
Fish-Shops ...	...	...	...	...	...	...	...	...	...	...	18
Food Shops – Other ...	...	...	...	...	...	...	...	...	...	...	234
Ice Cream Premises ...	...	...	...	...	...	...	...	...	...	...	10
Licensed Premises ...	...	...	...	...	...	...	...	...	...	...	45
Markets ...	...	...	...	...	...	...	...	...	...	...	21
Restaurants, Cafes, etc...	...	...	...	...	...	...	...	...	...	...	104
Slaughterhouses ...	...	...	...	...	...	...	...	...	...	...	632
Vehicles ...	...	...	...	...	...	...	...	...	...	...	8
Miscellaneous visits for food inspection...	...	...	...	...	...	...	...	...	...	...	99
<b>Sampling</b>											
Bacteriological ...	...	...	...	...	...	...	...	...	...	...	74
Chemical ...	...	...	...	...	...	...	...	...	...	...	—
Ice Cream ...	...	...	...	...	...	...	...	...	...	...	11
Milk ...	...	...	...	...	...	...	...	...	...	...	28
Water from mains supply ...	...	...	...	...	...	...	...	...	...	...	2
Water from swimming baths and pools ...	...	...	...	...	...	...	...	...	...	...	8
TOTAL NUMBER OF VISITS AND INSPECTIONS	...	...	...	...	...	...	...	...	...	...	5,154
<b>Notices Served</b>											
Informal Notices :											
Preliminary Notices served	...	...	...	...	...	...	...	...	...	...	131
Cautionary letters sent...	...	...	...	...	...	...	...	...	...	...	12
Statutory Notices :											
Public Health Act, 1936 – Section 39...	...	...	...	...	...	...	...	...	...	...	7
Section 93...	...	...	...	...	...	...	...	...	...	...	5
Damage by Pests Act, 1949 – Section 4	...	...	...	...	...	...	...	...	...	...	121
Factories Act, 1961 – Section 7 ...	...	...	...	...	...	...	...	...	...	...	1

**Table 10**

**Rodent Control**

**Sewer Maintenance Treatment**

Number of manholes test baited	...	...	...	...	...	...	...	...	...	...	Nil
--------------------------------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

**Table 11**

**Rodent Control**

**Work of Rodent Operator**

**(excluding Sewer Maintenance Treatment)**

Number of visits by Rodent Operator	...	...	...	...	...	...	...	...	...	1,282
Number of visits re mice...	...	...	...	...	...	...	...	...	...	591
Number of wasps' nests destroyed	...	...	...	...	...	...	...	...	...	89

Table 12

## Factories Acts, 1937 and 1948

## 1. Inspections (including inspections made by the Public Health Inspectors):

Premises	Number on Register	Number of		
		Inspections	Written Notices	Occupiers Prosecuted
(1) Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by Local Authorities	7	—	—	—
(2) Factories not included in (1) in which Section 7 is enforced by the Local Authority	227	58	3*	—
(3) Other premises in which Section 7 is enforced by the Local Authority (excluding out-workers' premises)	15	4	—	—
<b>TOTAL</b> ... ..	249	62	3*	Nil

\* 2 were informal

## 2. Cases in which Defects were found:

Particulars	Number of cases in which defects were found				Number of cases in which prosecutions were instituted
	Found	Remedied	Referred		
			To H.M. Inspector	By H.M. Inspector	
Want of cleanliness ... ..	—	2	—	—	—
Overcrowding ... ..	—	—	—	—	—
Unreasonable temperature ... ..	—	—	—	—	—
Inadequate ventilation ... ..	2	—	—	—	—
Ineffective drainage of floors ...	—	—	—	—	—
Sanitary Conveniences:					
(a) Insufficient ... ..	1	—	—	1	—
(b) Unsuitable or defective ...	2	4	—	—	—
(c) Not separate for sexes ...	—	—	—	—	—
Other offences against the Act not including offences relating to out-work ... ..	1	10	—	—	—
TOTAL ... ..	6	16	Nil	1	Nil

Table 12 – continued

3. Outwork (Sections 110 and 111):

Nature of Work	Section 110			Section 111		
	No. of Outworkers in August list	Cases of default in sending lists	Prosecutions for failure to supply lists	Instances of work in unwhole—some premises	Notices served	Prosecutions
Making etc. of apparel ... ..	180	—	—	—	—	—
TOTAL ... ..	180	—	—	—	—	—

Table 13

Housing Act, 1936

Undertakings not to relet for human habitation received prior to 1957

Address	Date of Undertaking	Position at the 31st December, 1970
32 Meadow Road ... ..	21.2.54	Being used as store
39 High Street (1st and 2nd floors) ... ..	18.9.50	Being used for business

Table 14

Housing Act, 1936 – Section 12

Closing Order

Address	Date of Order	Remarks
76a High Street, being the first and second floors of 72, 74 and 76 High Street ... ..	25.3.54	Being used for business purposes

Table 15

## Housing Acts, 1936-1957

Houses represented prior to 1970

Subsequent action and condition at end of 1970

	Date Represented	Clearance Area Declared	C.O., C.P.O., etc.	Remarks
Clearance Area No. 18				
27 West Street 28 West Street	12.3.57	24.4.57	Purchased by Agreement	Awaiting demolition
Clearance Area No. 49				
13-23 Green Lane (6 houses)	13.6.61	26.7.61	Purchased	13-21 demolished 1966, 23 awaiting demolition
Clearance Area No. 51				
48-72 Queen Street (13 houses)	10.10.61	22.11.61	Purchased (48 and 68 C.P.O.)	No. 48 awaiting demolition. 50-72 demolished 1965
Clearance Area No. 56				
25-29 Albert Street (3 houses)	9.10.62	28.11.62	C.P.O.	Awaiting demolition
Clearance Area No. 57				
34-42 Buccleuch Street (5 houses)	13.11.62	19.12.62	Purchased	Awaiting demolition
Clearance Area No. 58				
16 and 18 Alfred Street	12.2.63	27.2.63	Purchased	Awaiting demolition
Clearance Area No. 67				
26 and 28 Thorngate Street	13.6.67	26.7.67	C.P.O.	Awaiting demolition
Clearance Area No. 71				
28, 30 and 32 Albert Street (3 houses)	10.6.68	24.7.68	C.P.O.	Awaiting demolition
Clearance Area No. 72				
10-24 Cobden Street (8 houses)	9.4.69	28.5.69	C.P.O.	Nos. 12, 14, 22 and 24 Vacant



Table 15 – *continued*

	Date Represented	Clearance Area Declared	C.O., C.P.O., etc.	Remarks
<b>Clearance Area No. 73</b>				
1–5 Cobden Street (3 houses)	8.9.69	22.12.69	C.P.O.	No. 3 Vacant
<b>Clearance Area No. 74</b>				
9–21 Cobden Street (7 houses)	8.9.69	22.12.69	C.P.O.	No. 13 Vacant
<b>Clearance Area No. 75</b>				
31–37 Cobden Street (4 houses)	8.9.69	22.12.69	C.P.O.	All occupied

Table 16

**Housing Acts, 1936–1957**

Houses represented during 1970

	Date Represented	Clearance Area Declared	C.O. C.P.O., etc.	Remarks
<b>Clearance Area No. 76</b>				
60–64 Alexandra Street (3 houses)	6.3.70	20.5.70	C.P.O.	All Vacant
<b>Clearance Area No. 77</b>				
2–16 Water Street (8 houses)	26.3.70	20.5.70	C.P.O.	All occupied
<b>Clearance Area No. 78</b>				
6–26 Buccleuch Street (11 houses)	2.9.70	28.10.70	C.P.O.	All occupied

Table 17

## Housing Acts, 1936–1957

(a) Individual houses represented as Unfit during the years 1957–1969  
and condition at 31st December, 1970

	Date Represented	Position at 31st December, 1970	
7 Newman Street	21.2.57	Undertaking accepted 26.7.57	Vacant
5 School Lane	8.10.57	Undertaking accepted 23.12.57	Vacant
6 School Lane	8.10.57	Undertaking accepted 23.12.57	Vacant
2 Carrington Street	4.12.58	Undertaking accepted 13.2.59	Vacant
3 Alfred Street	9.2.60	Undertaking accepted 7.2.61	Vacant
4 Green Lane	11.10.60	Undertaking accepted 17.2.61	Vacant
18 Bayes Street	7.2.61	Undertaking accepted 14.4.61	Vacant
4 Queen Street	13.11.62	Undertaking accepted 2.1.63	Vacant
10 Albert Street	12.2.63	Purchased	Vacant
37 Alfred Street	11.6.63	Undertaking accepted 10.9.63	Vacant
39 Alfred Street	11.6.63	Undertaking accepted 10.9.63	Vacant
12 Alexandra Street	10.6.68	Closing Order 26.10.68	Vacant
2 Cobden Street	9.4.69	C.P.O.	Vacant
6 Cobden Street	9.4.69	C.P.O.	Occupied
25 Cobden Street	8.9.69	C.P.O.	Occupied

(b) Individual houses represented as Unfit during 1970  
and condition at 31st December, 1970

81 Rockingham Road	7.9.70	Awaiting proposals	Occupied
Flat at rear of 50 London Road	6.11.70	Awaiting proposals	Occupied

Table 18

## Sanitary Work carried out as a result of Formal and Informal Action

## A. Housing Repairs etc., Executed

Inspection chambers constructed or repaired ... ..	4
Obstruction removed from drains, w.c.'s. and sewers ... ..	386
Rainwater gutters and/or downpipes repaired or renewed ... ..	52
Soil pipes repaired or renewed ... ..	1
Inspection chamber covers renewed ... ..	3
Cap provided to rodding eye ... ..	1
Waste stack repaired ... ..	1
Flushing cistern repaired or renewed ... ..	5
Defective w.c. pans and traps repaired or renewed ... ..	7
W.C. seat repaired ... ..	1
New sinks provided ... ..	2
Sink waste channels renewed ... ..	5
Roofs repaired ... ..	29
Walls repaired internally ... ..	9
Walls repaired externally ... ..	9
Outbuildings reconstructed or repaired ... ..	1
Rear additions reconstructed or repaired ... ..	1
Chimney stacks repaired ... ..	3
Rooms stripped and cleansed ... ..	10
Dampness remedied ... ..	39
Ceilings repaired ... ..	6
Bath geyser repaired ... ..	1
New sashcords fixed ... ..	2
Windows repaired ... ..	9
Floor repaired or renewed ... ..	3
Dry rot remedied ... ..	4
Doors repaired or renewed ... ..	3
Food stores ventilated ... ..	1
Accumulations of refuse removed ... ..	32
Refuse receptacles provided ... ..	9
Nuisances from poultry or animals abated ... ..	15
Burning of waste nuisances abated ... ..	10
Miscellaneous nuisances abated ... ..	16

680

Table 18 – continued

**B. Licensed Premises**

Limewashing and general cleansing carried out	...	...	...	...	...	...	...	...	...	...	...	...	5
Cellar redecorated	...	...	...	...	...	...	...	...	...	...	...	...	3
New sinks provided	...	...	...	...	...	...	...	...	...	...	...	...	3
Sanitary accommodation repaired	...	...	...	...	...	...	...	...	...	...	...	...	1
Wash hand basin provided	...	...	...	...	...	...	...	...	...	...	...	...	1
Miscellaneous repairs	...	...	...	...	...	...	...	...	...	...	...	...	4
													<hr/>
													17
													<hr/>

**C. Restaurants**

Redecoration	...	...	...	...	...	...	...	...	...	...	...	...	3
General cleansing	...	...	...	...	...	...	...	...	...	...	...	...	1
Repairs to walls, floors and ceilings	...	...	...	...	...	...	...	...	...	...	...	...	2
Sanitary accommodation screened	...	...	...	...	...	...	...	...	...	...	...	...	1
New urinal and/or w.c. constructed	...	...	...	...	...	...	...	...	...	...	...	...	1
Food articles protected	...	...	...	...	...	...	...	...	...	...	...	...	4
Miscellaneous repairs	...	...	...	...	...	...	...	...	...	...	...	...	8
													<hr/>
													20
													<hr/>

**D. Markets**

Suitable covering provided for open foods	...	...	...	...	...	...	...	...	...	...	...	...	2
													<hr/>
													2
													<hr/>

**E. Mobile Shops**

Hot water supply provided	...	...	...	...	...	...	...	...	...	...	...	...	3
First Aid Kit provided	...	...	...	...	...	...	...	...	...	...	...	...	4
Miscellaneous	...	...	...	...	...	...	...	...	...	...	...	...	6
													<hr/>
													13
													<hr/>

Table 18 – continued

F. Other Food Premises

Defective walls and/or ceilings repaired or renewed	...	...	...	...	...	...	...	...	...	5
Defective roof spouting repaired	...	...	...	...	...	...	...	...	...	3
Regular limewashing and/or cleansing	...	...	...	...	...	...	...	...	...	19
New sinks provided	...	...	...	...	...	...	...	...	...	1
Wash hand basins provided or repaired	...	...	...	...	...	...	...	...	...	4
Floors repaired and/or cleansed	...	...	...	...	...	...	...	...	...	5
Redecoration	...	...	...	...	...	...	...	...	...	11
Adequate lighting and ventilation provided	...	...	...	...	...	...	...	...	...	1
First Aid materials provided	...	...	...	...	...	...	...	...	...	4
Hot water supply provided	...	...	...	...	...	...	...	...	...	3
W.C. constructed	...	...	...	...	...	...	...	...	...	1
Flushing cistern to w.c. provided	...	...	...	...	...	...	...	...	...	1
Miscellaneous repairs	...	...	...	...	...	...	...	...	...	32
										<hr/> 80 <hr/>

G. Factories

Smoke nuisance abated	...	...	...	...	...	...	...	...	...	...	2
Noise nuisance abated	...	...	...	...	...	...	...	...	...	...	6
New w.c. constructed	...	...	...	...	...	...	...	...	...	...	2
Artificial light provided to w.c.	...	...	...	...	...	...	...	...	...	...	2
Ventilators fitted and/or intervening ventilated spaces provided	...	...	...	...	...	...	...	...	...	...	2
Cleansing and redecoration carried out	...	...	...	...	...	...	...	...	...	...	2
Sanitary accommodation repaired	...	...	...	...	...	...	...	...	...	...	4
Miscellaneous repairs	...	...	...	...	...	...	...	...	...	...	6
											<hr/> 26 <hr/>

Grand Total 838

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Table 19

## Food Premises

## The Food Hygiene (General) Regulations, 1960

Principal Trade	Number	Comply with Reg. 16	Premises to which Reg. 19 applies	Comply with Reg. 19
Bakehouses ... ..	7	7	7	7
Beer Bottlers and Soft Drink Manufacturers ... ..	2	2	2	2
Butchers... ..	33	33	33	33
Cafes and Restaurants ... ..	22	22	22	22
Canteens (Works and Schools) ...	19	19	19	19
Confectioners ... ..	29	29	29	29
Fishmongers (including fishfryers)	24	24	24	24
Food Storage Depots ... ..	4	4	3	3
Fruiterers and Greengrocers ...	19	17	18	15
Grocery and Provisions ... ..	44	44	44	44
Licensed Premises ... .. (Public Houses and Clubs) ...	53	53	53	52
Ice Cream Manufacturer ... ..	1	1	1	1
Supermarkets ... ..	8	8	8	8
General Stores ... ..	67	67	65	65
Dairy or Purveyor of Milk ...	3	3	1	1
	335	333	329	325

The premises which do not comply with the appropriate Regulations, either have a short life on account of clearance or redevelopment, or the necessary work has been required.



Table 20

Registrations or Licences Granted by the Council

Food and Drugs Act, 1955 – Section 16:

Ice Cream Dealers ... ..	142
Ice Cream Manufacturers ... ..	3
Manufacturers of Preserved Foods ... ..	40
	<hr/>
<b>Total</b>	<b>185</b>
	<hr/>

Milk and Dairies Regulations, 1949:

Dairies ... ..	1
Purveyors of Milk ... ..	60
	<hr/>
<b>Total</b>	<b>61</b>
	<hr/>

Pet Animals Act, 1951:

Pet Shops ... ..	4
------------------	---

Scrap Metal Dealers Act, 1964:

Dealers in Old Metal ... ..	9
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Rag Flock and Other Filling Materials Act, 1951:

Dealers ... ..	1
----------------	---

Slaughter of Animals Acts, 1933 and 1954:

Slaughtermen ... ..	9
---------------------	---

Table 21

## Carcases and Offal Inspected and Condemned in Whole or in Part

	Cattle, excluding Cows	Cows	Calves	Sheep and Lambs	Pigs	Horses
Number killed ... ..	2385	549	36	4785	10010	Nil
Number inspected ... ..	2385	549	36	4785	10010	Nil
<b>Tuberculosis only:</b>						
Whole carcases condemned... ..	—	—	—	—	—	—
Carcases of which some part or organ was condemned	—	—	—	—	29	—
Percentage of the number inspected affected with tuberculosis ... ..	—	—	—	—	0.28	—
<b>All diseases except Tuberculosis and Cysticerci:</b>						
Specific diseases causing condemnation of whole carcase:						
Septicaemia ... ..	1	—	—	—	—	—
Jaundice ... ..	—	—	—	—	2	—
Abnormal Odour ... ..	—	—	—	2	—	—
Moribund ... ..	—	—	—	3	1	—
Pleurisy ... ..	—	—	—	—	1	—
Erysipelas ... ..	—	—	—	—	2	—
Oedema ... ..	—	1	—	6	3	—
Fever ... ..	—	1	—	—	2	—
Lymphosarcoma ... ..	—	—	—	—	1	—
Acute Metritis ... ..	—	—	—	1	—	—
Pyæmia ... ..	—	—	—	1	7	—
Uraemia ... ..	—	—	—	1	—	—
Imperfect Bleeding ... ..	—	—	—	—	1	—
Internal Haemorrhage ... ..	—	—	—	2	—	—
Peritonitis ... ..	—	—	—	—	1	—
Acute Pneumonia ... ..	—	—	—	1	—	—
Injury and Bruising ... ..	—	1	—	—	1	—
Johne's Disease ... ..	1	—	—	—	—	—
Immature ... ..	—	—	—	—	1	—
	2	3	—	17	23	—
Carcases of which some part or organ was condemned	1356	440	2	241	2609	—
Percentage of the number inspected affected with disease other than tuberculosis or cysticerci ...	56.94	80.69	5.55	5.39	26.29	—
<b>Cysticercosis:</b>						
Carcases in which some part or organ was condemned	27	5	—	—	—	—
Carcases submitted to treatment by refrigeration ...	5	—	—	—	—	—
Generalised and totally condemned ... ..	—	—	—	—	—	—

Table 22

## Prevalence of, and Control Over, Infectious and Other Diseases

## Notifiable Diseases (other than Tuberculosis)

during the year 1970

The following table gives the number and age groups of the cases notified:

DISEASE	All Ages 1969	All Ages 1970	Under 1 year	1 to 2 years	2 to 3 years	3 to 4 years	4 to 5 years	5 to 10 years	10 to 15 years	15 to 25 years	25 to 45 years	45 to 65 years	Over 65 years	Unknown
Smallpox ... ..	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet Fever ... ..	24	24	-	1	3	2	1	13	2	2	-	-	-	-
Diphtheria ... ..	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Enteric Fever (including Typhoid & Para-typhoid)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leptospirosis ... ..	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Ophthalmia Neonatorum	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute Poliomyelitis:														
Paralytic ... ..	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-paralytic ... ..	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute Encephalitis:														
Infective ... ..	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Post Infectious ... ..	1	1	-	-	1	-	-	-	-	-	-	-	-	-
Acute Meningitis ... ..	3	2	-	-	-	-	-	-	-	1	-	1	-	-
Dysentery... ..	153	2	-	-	-	-	-	1	-	1	-	-	-	-
Measles ... ..	85	419	14	32	32	59	60	214	6	2	-	-	-	-
Whooping Cough ... ..	9	4	-	-	-	1	-	3	-	-	-	-	-	-
Malaria ... ..	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Food Poisoning ... ..	5	3	-	-	-	-	-	-	1	-	1	1	-	-
Infectious Jaundice ... ..	117	16	-	-	-	-	-	1	5	5	4	1	-	-
TOTALS ... ..	398	471	14	33	36	62	61	232	14	11	5	3	-	-

Table 23

## Deaths from Cancer 1961-1970

Year					Total Deaths from Cancer	Cancer Deaths— % of total Deaths					Cancer Deaths—Rate per 1,000 population		
1961	...	...	...	...	95	19.87					2.46		
1962	...	...	...	...	74	16.19					1.91		
1963	...	...	...	...	98	19.68					2.53		
1964	...	...	...	...	95	17.92					2.44		
1965	...	...	...	...	83	17.4					2.13		
1966	...	...	...	...	103	21.28					2.63		
1967	...	...	...	...	87	19.00					2.21		
1968	...	...	...	...	98	18.8					2.47		
1969	...	...	...	...	94	18.28					2.35		
1970	...	...	...	...	126	22.74					3.13		

Site	Sex	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	Total
Stomach	Males	10	11	7	8	4	9	3	2	10	7	71
	Females	3	2	2	7	3	8	4	6	13	7	55
Lung or Bronchus	Males	17	12	22	23	19	19	16	22	14	22	186
	Females	1	1	3	1	—	3	4	1	2	6	22
Breast	Females	11	12	11	8	6	15	10	7	4	14	98
Uterus	Females	2	3	4	3	5	4	5	4	4	4	38

Table 24

## Tuberculosis

## New Cases and Mortality during 1970

Age Periods	New Cases				Deaths			
	Pulmonary		Non-Pulmonary		Pulmonary		Non-Pulmonary	
	M	F	M	F	M	F	M	F
Under 1 year ... ..	—	—	—	—	—	—	—	—
1 to 5 years ... ..	—	1	—	—	—	—	—	—
5 to 10 years ... ..	—	—	—	—	—	—	—	—
10 to 15 years ... ..	—	1	—	—	—	—	—	—
15 to 20 years ... ..	—	—	—	—	—	—	—	—
20 to 25 years ... ..	—	—	—	—	—	—	—	—
25 to 35 years ... ..	3	1	—	—	—	—	—	—
35 to 45 years ... ..	—	—	—	—	—	—	—	—
45 to 55 years ... ..	—	1	—	1	—	—	—	—
55 to 65 years ... ..	1	—	—	1	—	—	—	—
65 years and over ... ..	2	—	—	—	1	—	1	—
TOTALS	6	4	—	2	1	—	1	—

Form I (Patients admitted to Sanatoria) ... .. 3

Form II (Patients discharged from Sanatoria) ... .. 8

Table 25

## Atmospheric Pollution

## Daily Volumetric Smoke Filter

Average Daily Reading of Smoke Concentration in microgrammes per cubic metre

	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Year
1962 ... ..	—	—	—	—	—	46	38	60	65	99	180	235	—
1963 ... ..	189	149	74	68	53	36	45	46	60	71	89	148	86.0
1964 ... ..	152	109	73	62	33	40	40	41	46	93	89	126	77.4
1965 ... ..	87	100	84	43	33	19	15	24	42	76	81	67	55.2
1966 ... ..	119	54	42	38	19	15	16	32	39	55	70	52	45.2
1967 ... ..	70	48	23	37	20	14	13	18	26	25	71	62	35.6
1968 ... ..	60	57	35	34	21	14	14	13	19	30	52	73	35.1
1969 ... ..	64	59	52	29	20	13	14	15	25	32	36	58	34.8
1970 ... ..	60	43	40	24	20	15	14	19	19	30	37	49	30.8

Average Daily Reading of Sulphur Dioxide Concentration in microgrammes per cubic metre

	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Year
1962 ... ..	—	—	—	—	—	56	51	45	56	88	160	167	—
1963 ... ..	225	201	88	70	67	33	44	39	61	78	88	126	93.6
1964 ... ..	153	130	91	85	40	45	43	44	47	102	110	134	87.2
1965 ... ..	119	138	113	72	57	43	28	39	63	68	116	101	79.9
1966 ... ..	143	86	84	48	46	33	30	33	48	62	101	79	65.7
1967 ... ..	104	70	43	71	45	31	25	30	48	43	100	123	61.1
1968 ... ..	113	83	75	66	44	35	33	25	37	46	85	117	63.2
1969 ... ..	100	125	89	69	32	19	20	21	20	26	38	59	51.5
1970 ... ..	64	44	39	28	27	24	26	29	22	27	27	37	32.8



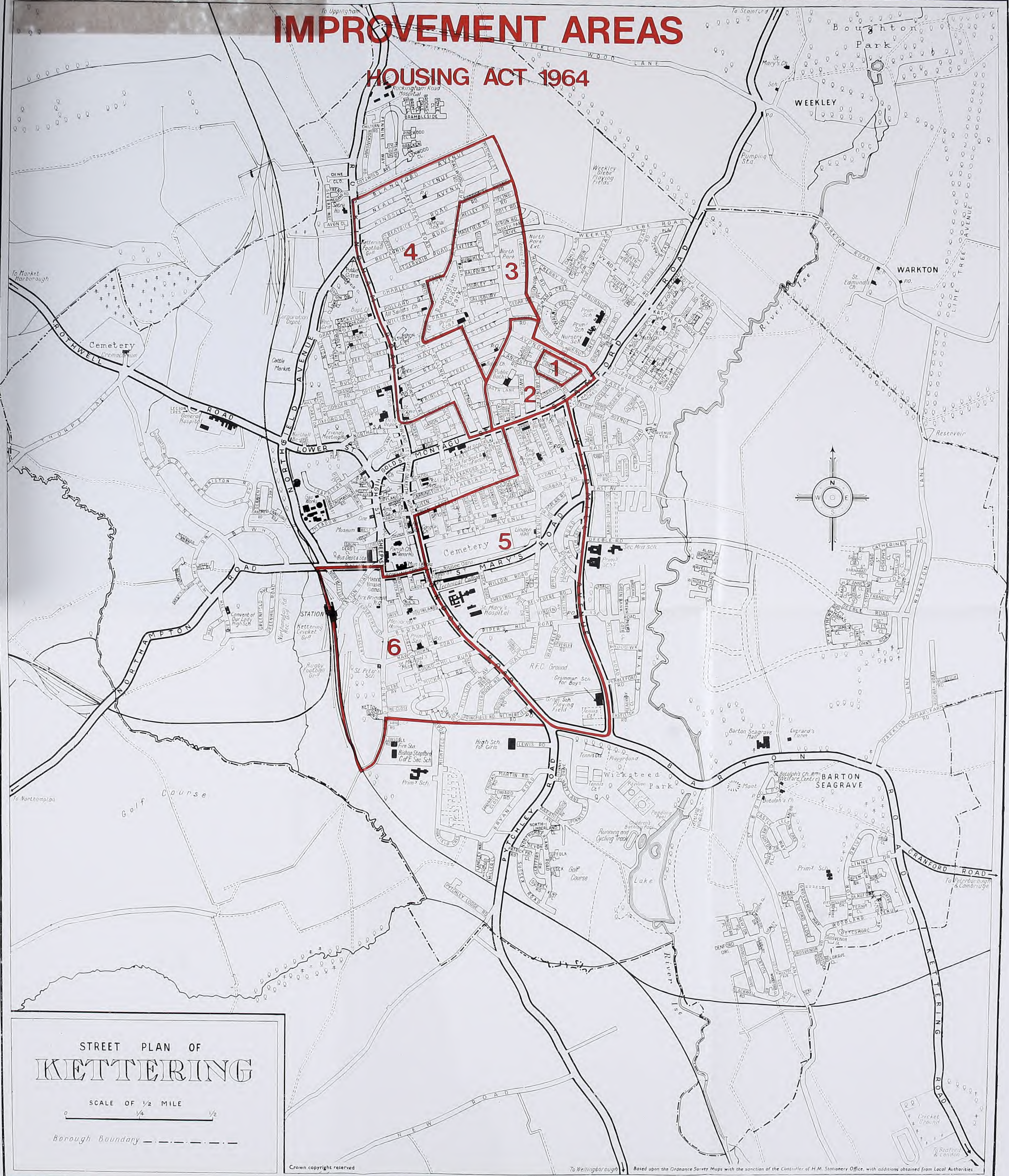






# IMPROVEMENT AREAS

## HOUSING ACT 1964



STREET PLAN OF  
**KETTERING**

SCALE OF 1/2 MILE

0 1/4 1/2

Borough Boundary - - - - -

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Based upon the Ordnance Survey Maps with the sanction of the Controller of H.M. Stationery Office, with additions obtained from Local Authorities





